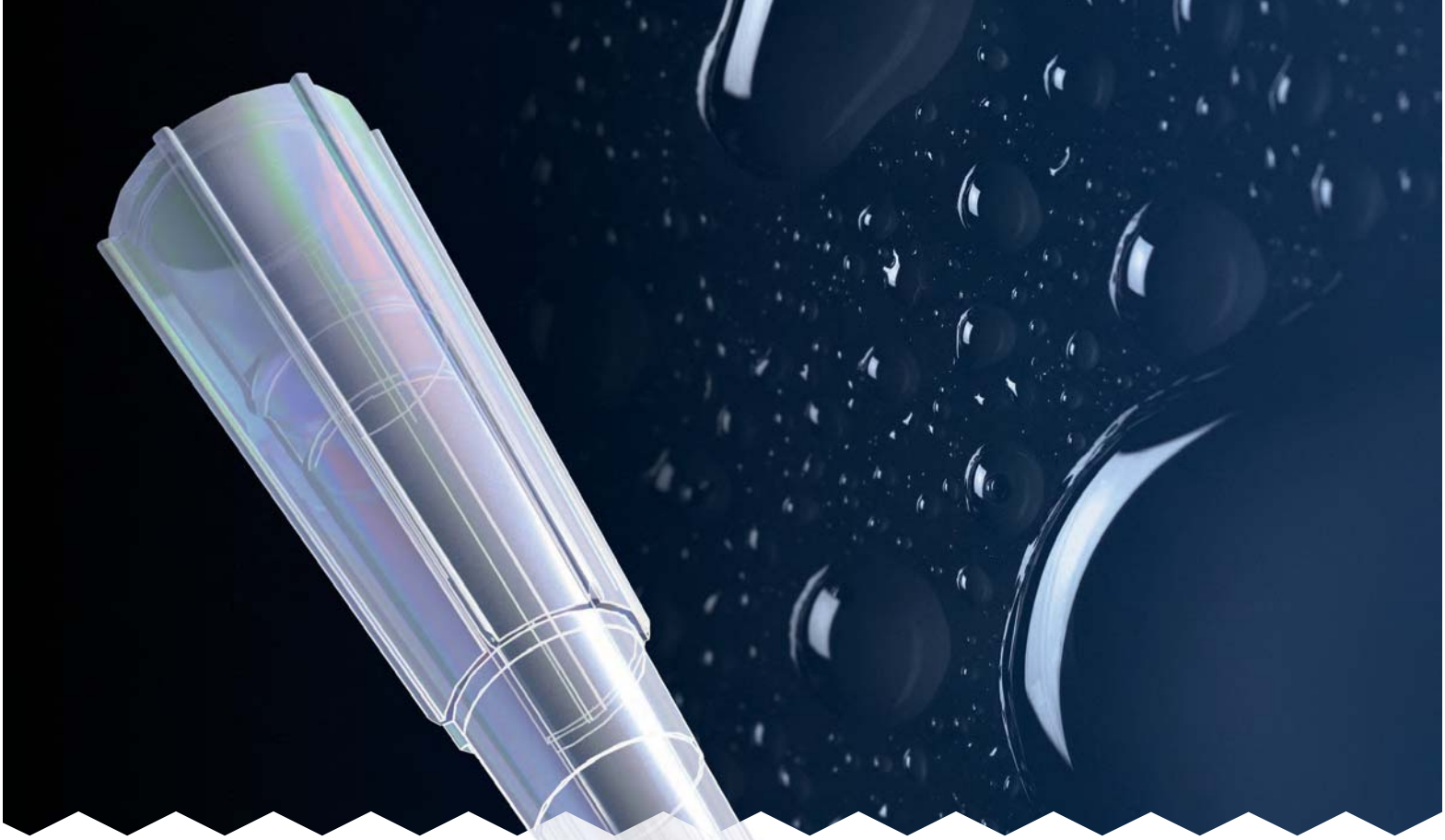

LIQUID HANDLING TECHNOLOGY

Products for the Laboratory 2012 – 2013

Pipette Tips, Robotic Tips, Pipettes,
Consumables, Sample Storage,
Equipment, Protection.

STAR LAB

Customer Account No:

Your STARLAB Distributor:

STARLAB International GmbH

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info@starlab.de

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STARLAB Quality & Service

The STARLAB Group

The STARLAB Group specialises in the field of Liquid Handling Technology, offering a comprehensive product range that is available direct from its own organisations in France, Germany, Italy and the UK, as well as through many expert distributors throughout the world.

STARLAB's success is founded on its expertise in automated injection moulding processes for the manufacture of high quality laboratory consumables for research and development.

STARLAB Products

Over the years, STARLAB has extended its portfolio and now has an extensive range of pipette tips, pipettes and other products for the laboratory.

STARLAB manufactured consumables are in daily use in laboratories throughout the world and have a proven track record of performance and reliability. Quality Control procedures are second to none, ensuring the highest possible levels of cleanliness, with all products certified RNase, DNase, DNA and Pyrogen free.

The STARLAB Promise

Quality, price and service are the principles on which the STARLAB Group is built. STARLAB is confident that you will find all their products to be of excellent quality and excellent value.

STARLAB Quality

Trust is good – certification is better!

ISO 9001 & 13485 REGISTERED FIRM

As an ISO 9001 and ISO 13485 certified company, working procedures and processes at STARLAB are checked and audited regularly. Additionally, the quality of products is continuously monitored.

"Our aim is to service the laboratory market with the very highest quality goods and unrivalled levels of service"

Investing in the Future

Sustainable and progressive

STARLAB prides itself on being a Green company from start to finish. We don't offer quick fixes or 'green gimmicks' to get a customer's attention, we believe in working on long-term strategies to reduce the company's impact on the environment.

As a manufacturer, STARLAB has control over the design and manufacture of its products. Our green ideas start at the design stage, and our research and development team is constantly looking at ways to more efficiently manufacture greener products. As a young, innovative company, STARLAB has become a green leader in its field, setting the environmental standard for others to follow.

GREEN Design

- TipOne® is the original, reusable, refillable and recyclable pipette tip system
- Pack and case dimensions are designed to fit efficiently on a pallet to help save shipping costs
- Pack and case cartons are made from recycled and recyclable cardboard
- Continual review of product line with a view to reduce plastic use whenever new moulds are required, eg. the plastic on the 200 µl refill refills was recently reduced by 38 %
- Keeping up with new trends and innovations: thinner pipette tips are challenging to manufacture but provide a much better tip fit, and they reduce the amount of plastic used (eg. the 1250 µl XL tip)

GREEN Manufacturing

- Hot runner moulds to save on plastic usage
- Closed-water-cycle cooling processes save energy
- The use of modern, hybrid moulding machines consume much less energy than the older, hydraulic machines
- The use of multi-cavity moulds to consume less energy
- One third of the factory's energy is sourced from wind power

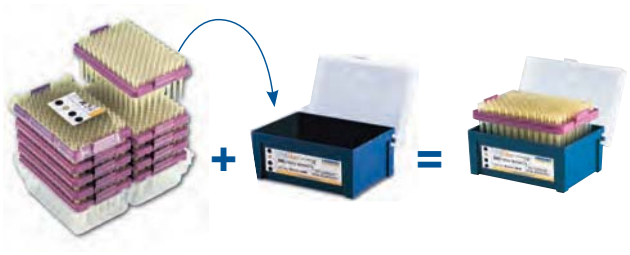
GREEN Logistics

- Goods are transportated by rail or sea whenever possible

GREEN Marketing and Administration

- This catalogue and other STARLAB brochures and marketing materials are printed on carbon-neutral FSC paper
- STARLAB continually reviews administrative processes to reduce, reuse and recycle all of its office consumables

FOREST STEWARDSHIP COUNCIL
FSC



What's New?

New!

TipOne® Easy-Open Sterile Packs

TipOne® sterile products now available with new, easy-open wrapping, so you can get your tips easier and faster! TipOne - see pages 6–15.

New!

'Non-Flex' PCR Strips

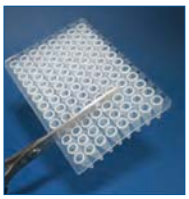
These new PCR Strips have robust triple connections between the tubes to give you easier handling.
See page 61.

New!

Rotor-Gene® Style Strip Tubes & Caps

0.1 ml 4-strip tubes and caps for the Rotor-Gene® Q Real-Time PCR cycler.
See page 61.

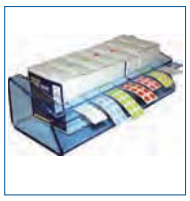
New!



Non-Skirted, Cuttable PCR Plate

New PCR plate which gives you the freedom to cut it to any desired size with normal scissors!
See page 62.

New!



StarTags Dispenser

Keep your boxes of StarTags tidy and at easy reach on the bench with this new, acrylic dispenser.
See page 74.

New!

Cryo Box for Centrifuge Tubes

Clear polypropylen storage boxes for storage down to -190 °C for 15 ml or 50 ml Centrifuge Tubes.
See page 87.

New!

Aluminium Freezer Racking

Make and change the shelf height in this new rack just as you need it. Flexible storage for your freezer!
See page 97.

New!

XCEED™ Nitrile Gloves

Next-generation nitrile formulation for a softer and stronger nitrile glove to rival the fit, feel and dexterity of latex.
See page 107.

Pipette Tips

TipOne® PIPETTE TIP SYSTEM

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384-Format Tips 20
Gel Extraction Tool 20
Gel-Loading Tips 21

DISPENSER TIPS

TipOne® Repeat Dispenser Tips 22

Eight Reasons to use TipOne® Tips

1. Excellent MATERIAL

All TipOne® tips are manufactured from pure, virgin polypropylene to ensure the highest quality product.

2. Excellent MANUFACTURE

The use of multiple cavity tools for the injection moulding process guarantees high conformity within one batch. The automated moulding and assembling procedures are carried out under clean-room conditions to eliminate contamination.

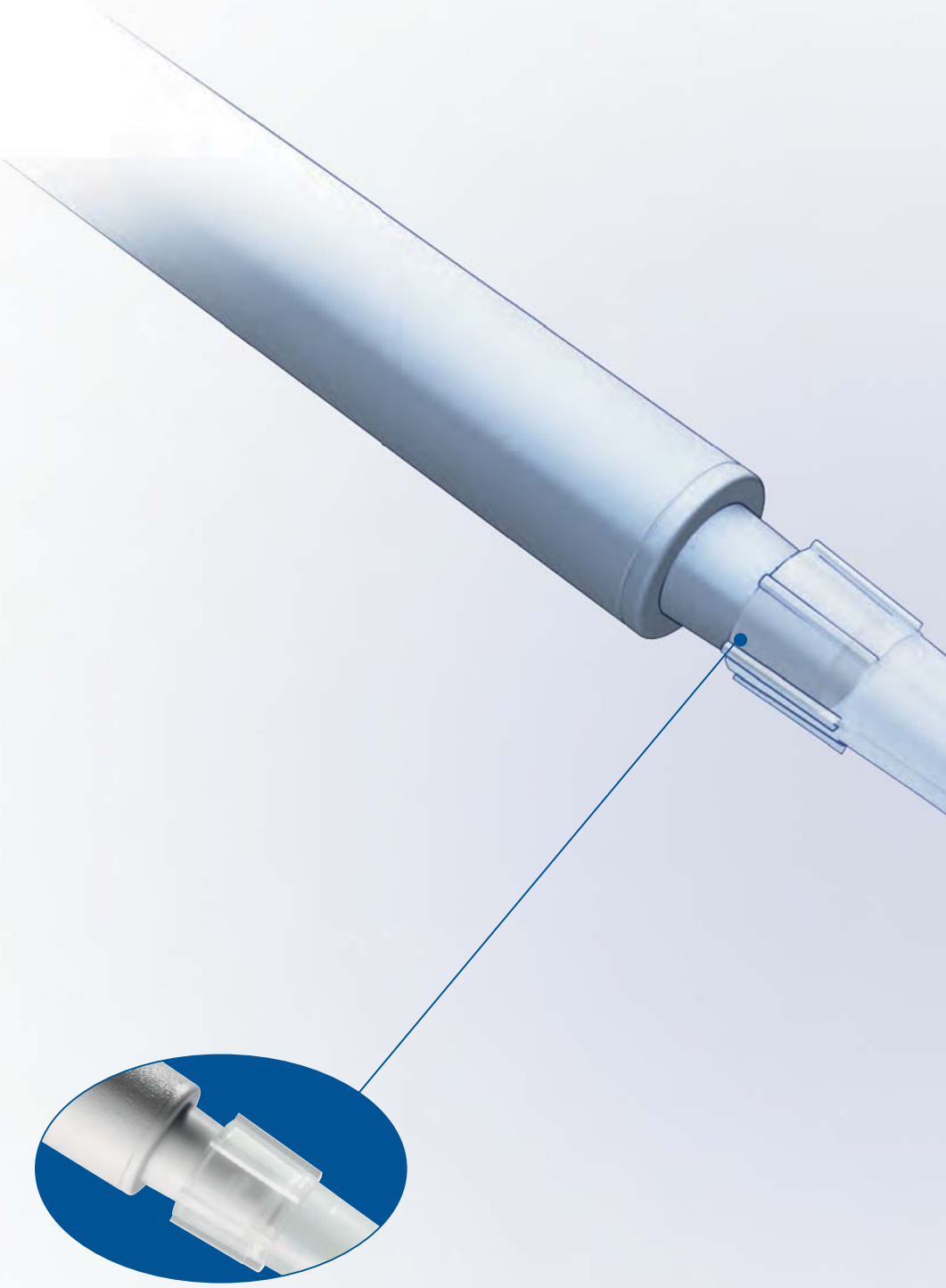
Every TipOne® product is certified RNase, DNase, DNA and Pyrogen free.

3. Excellent QUALITY CONTROL

Automated Quality Control procedures ensure that TipOne® is inspected for 100 % performance.

4. Excellent TIP

One tip fits all! The tip cone is engineered to fit all popular pipettes, thus eliminating the clutter of different types of tip racks on your bench. The highest quality production methods and Quality Control guarantees the highest quality product for the highest quality results. An excellent tip, from top to bottom!

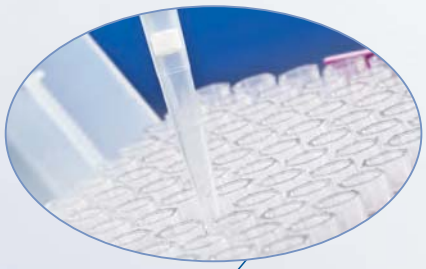


TipOne® RPT

Repel Polymer Technology for improved flow dynamics of sticky liquids with no coating to interfere with your sample!

For ordering information see page 15.

TipOne



5. Excellent FILTER

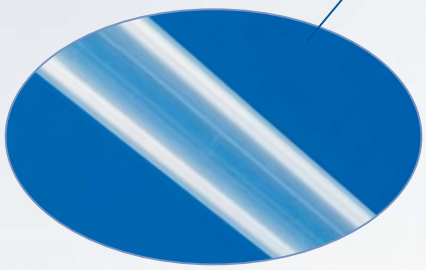
The filter in TipOne® filter tips protects against aerosol cross-contamination without trapping your valuable samples. STARLAB's ultra high-density filters are proven* to block >99 % of aerosol contaminants. The filters contain no additives that interfere with samples. All filter tips are provided sterile in individually wrapped racks. For ordering information see page 13.

6. Excellent GRADUATIONS

to control the correct volume of the aspirated liquid.

7. Excellent FLASH-FREE Orifice

Prevents sample hold up.



8. Excellent HIGHLY-POLISHED Moulds

Reduces sample retention.

* For more information see page 12.

STARLAB

An Excellent Tip deserves an Excellent System

Sophisticated

TipOne® is the original, reusable, refillable and recyclable pipette tip system. The system is designed to be easy to use, to reduce waste, and to save costs to the user.

The TipOne® rack is extremely durable. It can be refilled over and over again, and it will withstand repeated autoclavings while retaining its stability, strength and shape.

There are five packaging options to cover individual pipetting needs, all designed down the smallest detail for your convenience.

We recommend not autoclaving. All TipOne® tips are certified RNase, DNase, DNA and Pyrogen free. Sterile options of all TipOne® tips are available if sterility is key. The easy to use refill design means the tips do not touch the side of rack as they are inserted – nor will your fingers touch the tips! Refills are still certified once racked, meaning there's no need to autoclave.

Discover the new improved shrink wrap packaging! The innovative foil protects all sterile TipOne® products. The easy to open design combines the sterile safety you need with the highest convenience for a fast access to your tips.

Stack Rack

- Wide base for great stability – even with multi-channel use!
- 960 tips for high throughput
- Lid keeps tips safe when not in use
- Autoclavable
- Recyclable

Loose

- Ideal for teaching labs or non-critical work
- Tamper-proof, easy-open perforation strip on bag
- Resealable zip-lock bag
- Recyclable polyethylene bag

Single Refill

- Consists of five 96-tip wafers and one rack
- Ideal for your introduction to TipOne® or for low-demand users
- Recyclable

TipOne

REUSE
RECYCLE
REFILL

The original reusable, refillable and recyclable system

Refill

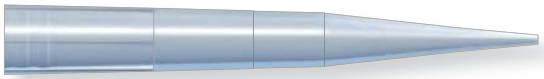
- Economical and space saving
- Easy to load and easy to remove
- Fits perfectly in the rack – no 96 tip–hole alignment required!
- Reduces waste
- Autoclavable when racked
- Recyclable

Racked

- Sturdy rack made from strong, high quality polypropylene
- Hinged, transparent lid
- Stackable
- Reusable
- Withstands repeated autoclaving
- Recyclable

STAR LAB

TipOne

TIPS ORDERING INFORMATION	Loose	Racked	Racked (Sterile)	
	1000 / Bag	10 x 96-Tip Racks	10 x 96-Tip Sterile Racks	
10 µl Graduated Tip (Graduations: 2.5 µl, 10 µl)	**S1111-3000** **S1111-3000-C** (120)	**S1111-3800** **S1111-3800-C** (21)	**S1111-3810** **S1111-3810-C** (8)	
10 µl XL Graduated Tip, Max. Vol. 20 µl (Graduations: 2 µl, 5 µl, 10 µl)	**S1110-3000** **S1110-3000-C** (110)	**S1110-3800** **S1110-3800-C** (21)	**S1110-3810** **S1110-3810-C** (8)	
20 µl Micro Tip (Eppendorf-Style)	**S1111-4000** **S1111-4000-C** (100)	**S1111-4800** **S1111-4800-C** (21)	**S1111-4810** **S1111-4810-C** (8)	
200 µl Tip	**S1111-0000** **S1111-0000-C** (48)	**S1111-0800** **S1111-0800-C** (21)	**S1111-0810** **S1111-0810-C** (8)	
200 µl Yellow Tip	**S1111-0006** **S1111-0006-C** (48)	**S1111-0806** **S1111-0806-C** (21)	**S1111-0816** **S1111-0816-C** (8)	
200 µl Bevelled Tip	**S1111-1000** **S1111-1000-C** (48)	**S1111-1800** **S1111-1800-C** (21)	**S1111-1810** **S1111-1810-C** (8)	
200 µl Yellow, Bevelled Tip	**S1111-1006** **S1111-1006-C** (48)	**S1111-1806** **S1111-1806-C** (21)	**S1111-1816** **S1111-1816-C** (8)	
200 µl Bevelled, Graduated Tip (Graduations: 10 µl, 50 µl, 100 µl)	**S1110-1000** **S1110-1000-C** (48)	**S1110-1800** **S1110-1800-C** (21)	**S1110-1810** **S1110-1810-C** (8)	
200 µl Yellow, Bevelled, Graduated Tip (Graduations: 10 µl, 50 µl, 100 µl)	**S1110-1006** **S1110-1006-C** (48)	**S1110-1806** **S1110-1806-C** (21)	**S1110-1816** **S1110-1816-C** (8)	
300 µl Graduated Tip (Graduations: 50 µl, 100 µl, 200 µl)	**S1110-8000** **S1110-8000-C** (48)	**S1110-8800** **S1110-8800-C** (21)	**S1110-8810** **S1110-8810-C** (8)	
1000 µl Graduated Tip (Graduations: 250 µl, 500 µl, 1000 µl)	**S1111-2020** **S1111-2020-C** (20)	**S1111-2820** **S1111-2820-C** (12)	**S1111-2830** **S1111-2830-C** (6)	
 **1000 µl** Blue Graduated Tip (Graduations: 250 µl, 500 µl, 1000 µl)	**S1111-2021** **S1111-2021-C** (20)	**S1111-2821** **S1111-2821-C** (12)	**S1111-2831** **S1111-2831-C** (6)	
1250 µl Tip	**S1112-2000** **S1112-2000-C** (20)	**S1112-2800** **S1112-2800-C** (12)	**S1112-2810** **S1112-2810-C** (6)	
1250 µl XL Graduated Tip (Graduations: 100 µl, 250 µl, 500 µl, 1000 µl)	**S1112-1020** **S1112-1020-C** (8)	**S1112-1820** **S1112-1820-C** (8)	**S1112-1830** **S1112-1830-C** (4)	

NOTES: All tips shown actual size · n/a = not available. Cat. Nos ending in -C are case sizes, the number in brackets = no. of packs per case.

STAR LAB

	Refill	**Single Refill**	**StackRack**	**StackRack (Sterile)**
	10 x 96-Tip Refills	5 x 96-Tip Refills	1 x 960-Tip Stack	1 x 960-Tip Sterile Stack
	S1111-3700 **S1111-3700-C** (18)	**S1111-3701** **S1111-3701-C** (40)	**S1111-3200** **S1111-3200-C** (10)	**S1111-3210** **S1111-3210-C** (10)
	S1110-3700 **S1110-3700-C** (12)	**n/a**	**n/a**	**n/a**
	n/a	**n/a**	**n/a**	**n/a**
	S1111-0700 **S1111-0700-C** (18)	**n/a**	**S1111-0200** **S1111-0200-C** (10)	**S1111-0210** **S1111-0210-C** (10)
	S1111-0706 **S1111-0706-C** (18)	**n/a**	**S1111-0206** **S1111-0206-C** (10)	**n/a**
	S1111-1700 **S1111-1700-C** (18)	**S1111-1701** **S1111-1701-C** (10)	**S1111-1200** **S1111-1200-C** (10)	**S1111-1210** **S1111-1210-C** (10)
	S1111-1706 **S1111-1706-C** (18)	**n/a**	**S1111-1206** **S1111-1206-C** (10)	**n/a**
	S1110-1700 **S1110-1700-C** (18)	**n/a**	**S1110-1200** **S1110-1200-C** (10)	**n/a**
	n/a	**n/a**	**S1110-1206** **S1110-1206-C** (10)	**n/a**
	S1110-8700 **S1110-8700-C** (12)	**n/a**	**n/a**	**n/a**
	S1111-2720 **S1111-2720-C** (9)	**n/a**	**n/a**	**n/a**
	S1111-2721 **S1111-2721-C** (9)	**n/a**	**n/a**	**n/a**
	n/a	**n/a**	**n/a**	**n/a**
	S1112-1720 **S1112-1720-C** (4)	**S1112-1721** **S1112-1721-C** (20)	**n/a**	**n/a**

TipOne

All TipOne® tips are certified RNase, DNase, DNA and Pyrogen free

TipOne® tips are designed to fit all popular pipettes without any loss of accuracy or precision.

TipOne® Filter Tips: pages 12-13.
TipOne® RPT: page 15.

FREE SAMPLE TRY before you BUY available on request

STAR LAB

TipOne® Filter Tips

Nothing goes through!

Protect your samples against unwanted contamination by using TipOne® filter tips.

During pipetting, it is not possible to see with the eye if fine aerosols are going into your pipette. If they are, those aerosols can contaminate other samples at a later date.

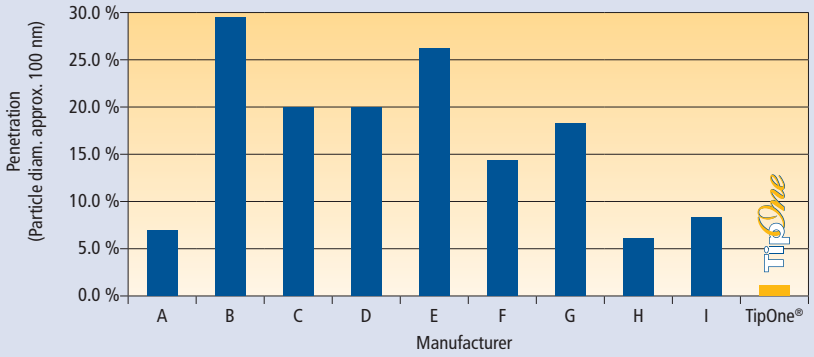
TipOne® filter tips are proven* to block >99 % of aerosols and are among the best filters on the market. The results are shown in the diagram on the right hand side.

FREE SAMPLE TRY before you BUY available on request

Filter Tip Features

- Highly effective HDPE filter
- Filter contains no additives to interfere with your samples
- The filter will not absorb samples, allowing recovery if necessary
- Sterile, and RNase, DNase, DNA and Pyrogen free

Aerosol transmission of TipOne® filter tips compared to other manufacturers' filter tips



*The comparative tests were conducted in an independent test institute with filter tips from other leading manufacturers.

TipOne

STERILE FILTER TIPS ORDERING INFORMATION	Racked (Sterile)
	10 x 96-Tip Sterile Racks
10 µl Graduated Filter Tip (Sterile) (Graduations: 2.5 µl, 10 µl)	**S1121-3810** **S1121-3810-C** (8)
10 µl XL Graduated Filter Tip, Max. Vol. 20 µl (Sterile) (Graduations: 2 µl, 5 µl, 10 µl)	**S1120-3810** **S1120-3810-C** (8)
20 µl Micro Filter Tip (Eppendorf-Style) (Sterile)	**S1121-4810** **S1121-4810-C** (8)
20 µl Bevelled Filter Tip (Sterile)	**S1120-1810** **S1120-1810-C** (8)
50 µl Bevelled Filter Tip (Sterile)	**S1120-2810** **S1120-2810-C** (8)
100 µl Bevelled Filter Tip (Sterile)	**S1120-1840** **S1120-1840-C** (8)
200 µl Graduated Filter Tip (Sterile) (Graduations: 50 µl, 100 µl, 200 µl)	**S1120-8810** **S1120-8810-C** (8)
1000 µl Filter Tip (Sterile)	**S1126-7810** **S1126-7810-C** (6)
1000 µl XL Graduated Filter Tip (Sterile) (Graduations: 100 µl, 250 µl, 500 µl, 1000 µl)	**S1122-1830** **S1122-1830-C** (4)

NOTES: All tips shown actual size. Order Codes ending in -C are case sizes, the number in brackets = no. of packs per case.

TipOne® Filters

The filters are made from high density pure polyethylene (HDPE). They contain no additives which can interfere with your samples. TipOne® filters are hydrophobic and will not absorb your valuable samples in the way "sealing filters" do.

All TipOne® filter tips are sterile and certified RNase, DNase, DNA and Pyrogen free

TipOne® tips are designed to fit all popular pipettes without any loss of accuracy or precision.

STAR LAB

TipOne® RPT

RPT: A technical breakthrough!

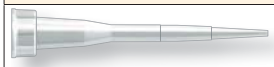
STARLAB's Repel Polymer Technology (RPT) optimises conventional polypropylene surfaces to improve the flow of 'sticky' liquids. STARLAB's TipOne® RPT tips have no coating to interfere with your sample and offer an extremely hydrophobic surface.

RPT Tip Features

- No coating! Made from 100 % virgin polypropropylene
- Improved sample recovery
- Reduced DNA binding
- Autoclavable
- Fits all popular pipettes
- Reusable, refillable and recyclable system

TipOne® RPT tips are supplied in the same style packaging as other TipOne® tips. The tip racks can be reused with the refills of both the RPT and the standard TipOne® tips.

TipOne RPT

RPT ORDERING INFORMATION	Racked	Racked (Sterile)	Refill
	10 x 96-Tip Racks	10 x 96-Tip Sterile Racks	10 x 96-Tip Refills
 **10 µl** RPT Graduated Tip (Graduations: 2.5 µl, 10 µl)	n/a	n/a	**S1161-3700** **S1161-3700-C** (18)
10 µl RPT XL Graduated Tip, Max. Vol. 20 µl (Graduations: 2 µl, 5 µl, 10 µl)	**S1160-3800** **S1160-3800-C** (21)	n/a	**S1160-3700** **S1160-3700-C** (12)
200 µl RPT Bevelled Tip	**S1161-1800** **S1161-1800-C** (21)	n/a	**S1161-1700** **S1161-1700-C** (18)
1250 µl RPT XL Graduated Tip (Graduations: 100 µl, 250 µl, 500 µl, 1000 µl)	**S1161-1820** **S1161-1820-C** (8)	n/a	**S1161-1720** **S1161-1720-C** (4)

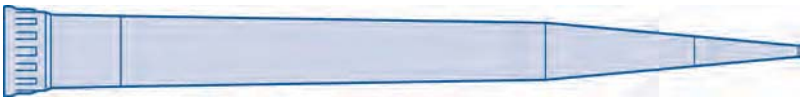
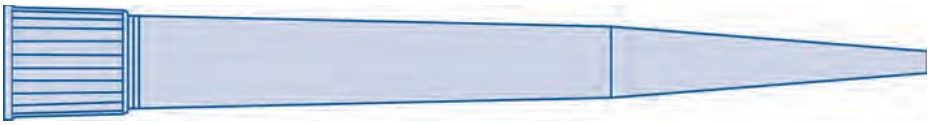
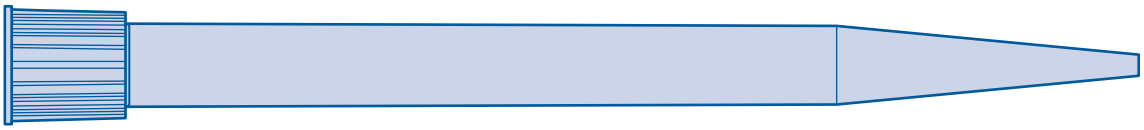
RPT STERILE FILTER TIPS ORDERING INFORMATION	Racked	Racked (Sterile)	Refill
	10 x 96-Tip Racks	10 x 96-Tip Sterile Racks	10 x 96-Tip Refills
10 µL RPT Graduated Filter Tip (Sterile) (Graduations: 2,5 µL, 10 µL)	n/a	**S1181-3810** **S1181-3810-C** (8)	n/a
10 µl RPT XL Graduated Filter Tip, Max. Vol. 20 µl (Sterile) (Grads: 2 µl, 5 µl, 10 µl)	n/a	**S1180-3810** **S1180-3810-C** (8)	n/a
20 µl RPT Bevelled Filter Tip (Sterile)	n/a	**S1180-1810** **S1180-1810-C** (8)	n/a
100 µl RPT Bevelled Filter Tip (Sterile)	n/a	**S1180-1840** **S1180-1840-C** (8)	n/a
200 µl RPT Graduated Filter Tip (Sterile) (Graduations: 50 µl, 100 µl, 200 µl)	n/a	**S1180-8810** **S1180-8810-C** (8)	n/a
1000 µl RPT XL Graduated Filter Tip (Sterile) (Graduations: 100 µl, 250 µl, 500 µl, 1000 µl)	n/a	**S1182-1830** **S1182-1830-C** (4)	n/a

NOTES: All tips shown actual size. n/a = not available. Cat. Nos ending in -C are case sizes, the number in brackets = no. of packs per case.

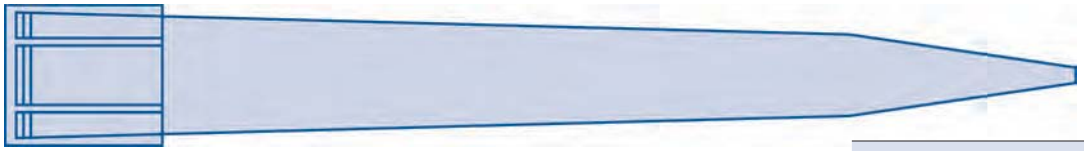
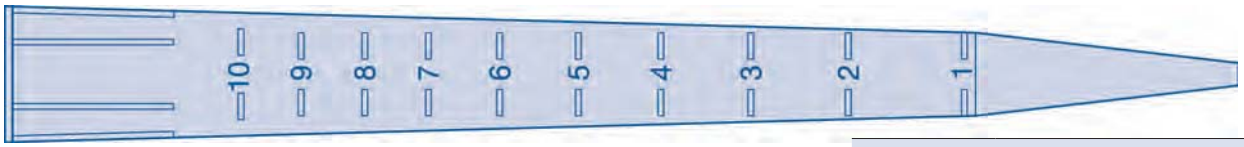
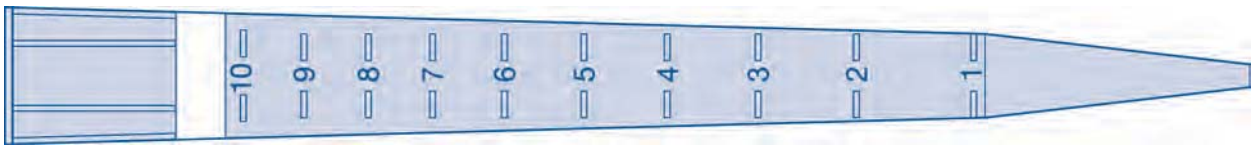
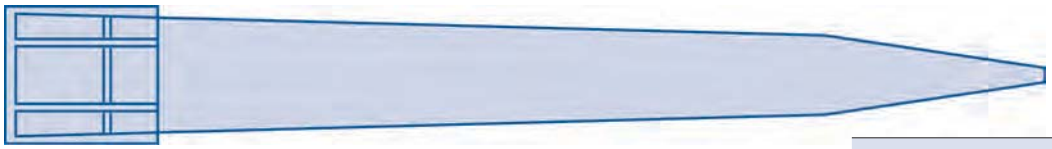
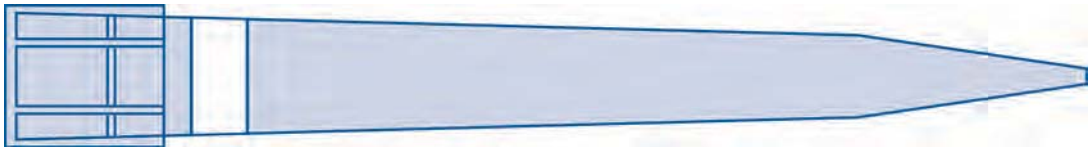
All TipOne® RTP tips are certified RNase, DNase, DNA and Pyrogen free

TipOne® tips are designed to fit all popular pipettes without any loss of accuracy or precision.

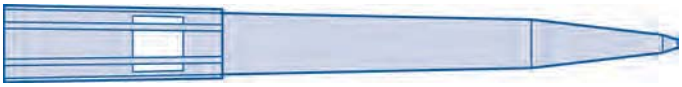
Large Volume Tips

All Tips are certified and natural in colour	Cat. No	Pack Type	Sterile	Pack Size
1200 µl Biohit-Style Tip For use with: Biohit® Proline®	I1012-6000	Bag	No	1000
	I1012-6400	96-Tip Rack	No	10 x 96
	I1012-6410	96-Tip Rack	Yes	10 x 96
1250 µl Matrix-Style Tip For use with: Matrix® Impact® and Impact® 2	E1250-0000	Bag	No	500
	E1250-0700	96-Tip Rack	No	12 x 96
	E1250-0710	96-Tip Rack	Yes	12 x 96
1250 µl Matrix-Style Filter Tip For use with: Matrix® Impact® and Impact® 2	E1250-0718	96-Tip Rack	Yes	12 x 96
 **2500 µl** Eppendorf-Style Tip For use with: Eppendorf®, Socorex®	I1008-9000	Bag	No	500
 **5000 µl** Biohit-Style Tip For use with: Biohit®, Eppendorf®, Genex®	E1009-7000	Bag	No	250
 **5000 µl** Biohit-Style XL Tip For use with: Biohit®, Eppendorf®, Genex®	E1009-7001	Bag	No	250
5000 µl Eppendorf-Style Graduated Macro Tip For use with: Eppendorf®, Biohit®, Socorex®	I1053-0000	Bag	No	250
	I1053-0700	50-Tip Rack	No	10 x 50
	I1053-0710	50-Tip Rack	Yes	10 x 50
5000 µl Eppendorf-Style Graduated Filter Macro Tip For use with: Eppendorf®, Biohit®	I1053-0718	50-Tip Rack	Yes	10 x 50
	I1053-0728	50-Tip Rack	Yes	2 x 50
5000 µl Finn-Style Tip For use with: Finnpipette®, Socorex®, SMI®	I1009-5000	Bag	No	250

Large Volume Tips

All Tips are certified and natural in colour (unless stated otherwise)	Cat. No	Pack Type	Sterile	Pack Size
5000 µl Gilson-Style Graduated Macro Tip For use with: ErgoOne®, Gilson®, Nichiryo®, StarPet, Volac®	I1050-0000	Bag	No	250
	I1050-0700	50-Tip Rack	No	10 x 50
	I1050-0710	50-Tip Rack	Yes	10 x 50
5000 µl Gilson-Style Graduated Macro Filter Tip For use with: ErgoOne®, Gilson®, Nichiryo®, StarPet, Volac®	I1050-0718	50-Tip Rack	Yes	10 x 50
	I1050-0728	50-Tip Rack	Yes	2 x 50
 **10 ml** Gilson-Style Macro Tip For use with: Gilson®, Eppendorf®, Rainin®, StarPet	I1051-0000	Bag	No	200
	I1051-0350	25-Tip Rack	No	10 x 25
	I1051-0360	25-Tip Rack	Yes	10 x 25
 **10 ml** Gilson-Style Graduated Macro Tip For use with: Gilson®, Eppendorf®, Rainin®, Socorex®, StarPet	I1054-0000	Bag	No	200
	I1054-0001	25-Tip Rack	No	10 x 25
	I1054-0011	25-Tip Rack	Yes	10 x 25
 **10 ml** Gilson-Style Graduated Macro Filter Tip For use with: Gilson®, Eppendorf®, Rainin®, Socorex®, StarPet	I1054-0028	25-Tip Rack	Yes	2 x 25
 **10 ml** Finn/Socorex-Style Blue Tip For use with: Finn®, Socorex®	I1052-0000	Bag	No	200
	I1052-0001	25-Tip Rack	No	10 x 25
	I1052-0010	25-Tip Rack	Yes	10 x 25
 **10 ml** Finn/Socorex-Style Blue Filter Tip (NOTE: Max. Working Vol. 9.5 ml) For use with: Finn®, Socorex®	I1052-0028	25-Tip Rack	Yes	2 x 25

Extended Length Tips

All tips are certified and natural in colour	Cat. No	Pack Type	Sterile	Pack Size
200 µl XL Tip For use with but not limited to: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, Titertek®, Volac®	I1011-0020	Bag	No	1000
	I1011-0920	204-Tip Rack	No	8 x 204
	E1011-0921	204-Tip Rack	Yes	8 x 204
200 µl XL Filter Tip For use with but not limited to: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf,® Finnpipette®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, Titertek®, Volac®	E1011-0830	204-Tip Rack	Yes	8 x 204
200 µl XL Filter Tip For use with but not limited to: ErgoOne®, Eppendorf®, Finnpipette®, MLA®	I1011-5830	100-Tip Rack	Yes	8 x 100
1000 µl XL Bevelled Tip For use with but not limited to: ErgoOne®, Gilson®, Biohit® (single-ch), Costar®, Eppendorf®, Finnpipette®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, Titertek®, Volac®	E1011-1002	Bag	No	1000
	E1011-1430	100-Tip Rack	No	10 x 100
 **1000 µl** XL Bevelled Filter Tip For use with but not limited to: ErgoOne®, Gilson®, Biohit® (single-ch), Costar®, Eppendorf®, Finnpipette®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, Titertek®, Volac®	E1011-1008	Bag	No	1000
	I1026-7810	100-Tip Rack	Yes	10 x 100
1250 µl XL Tip For use with but not limited to: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, StarPet E, Titertek®, Volac®	I1011-3000	96-Tip Rack	Yes	8 x 96
1250 µl XL Filter Tip For use with but not limited to: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, StarPet E, Titertek®, Volac®	I1011-3010	96-Tip Rack	Yes	8 x 96

Wide Orifice Tips

All Tips are certified and natural in colour	Cat. No	Pack Type	Sterile	Pack Size
 200 µl Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, MLA®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, StarPet E, Titertek®, Volac®	I1011-8000	Bag	No	1000
 200 µl Graduated Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, Fisherbrand®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, StarPet E, Titertek®, Volac®	E1011-8000	Bag	No	1000
	E1011-8400	96-Tip Rack	No	10 x 96
	E1011-8410	96-Tip Rack	Yes	10 x 96
	E1011-8800	96-Tip Hinged Rack	No	10 x 96
 1000 µl Tip / Wide Orifice For use with: ErgoOne®, Gilson®, Costar®, Eppendorf®, Finnpipette®, Nichiryo®, Oxford-Benchmate®, Rainin®, SMI®, Socorex®, StarPet, Titertek®, Volac®	E1011-9000	Bag	No	1000
	E1011-9510	100-Tip Rack	No	10 x 100
 1000 µl XL Filter Tip / Wide Orifice For use with but not limited to: ErgoOne®, Gilson®, Costar®, Eppendorf®, Finnpipette®, Nichiryo®, Oxford-Benchmate®, SMI®, Socorex®, StarPet, Titertek®, Volac®	I1011-9810	100-Tip Rack	Yes	10 x 100

TipOne® RPT

Are you working with ´sticky´ liquids? Then try STARLAB's TipOne® RPT tips. The optimised conventional polypropylene surfaces improves the flow of 'sticky' liquids. For more information see pages 14–15.

FREE SAMPLE TRY before you BUY available on request

300 µl Filter Tips

All tips are certified and natural in colour	Cat. No	Pack Type	Sterile	Pack Size
300 µl Filter Tip (Sterile) For use with: ErgoOne®, Biohit®, CAPP®, Eppendorf®, Discovery Comfort®, Finnpipette®, Gilson®, Rainin®, StarPet	I1015-6810	96-Tip Rack	Yes	10 x 96
300 µl Filter Tip (Sterile) For use with: Biohit®, CAPP®, Eppendorf®, Discovery Comfort®, Finnpipette®, Gilson®, Rainin®, StarPet	E1130-8810	96-Tip Rack	Yes	10 x 96

384-Format Tips

Certified RNase, DNase and Endotoxin free	Cat. No	Pack Type	Sterile	Pack Size
30 µl CAPP-Style 384-Format Tip For use with but not limited to: CAPP® 16-Channel	E3840-3000	384-Tip Rack	No	10 x 384
	E3840-3010	384-Tip Rack	Yes	10 x 384
60 µl CAPP-Style 384-Format Tip For use with but not limited to: CAPP® 16-Channel	E3840-5000	384-Tip Rack	No	10 x 384
	E3840-5010	384-Tip Rack	Yes	10 x 384
50 µl Finn-Style 384-Format Tip For use with but not limited to: Finnpipette® Focus	E3841-5000	384-Tip Rack	No	10 x 384
	E3841-5010	384-Tip Rack	Yes	10 x 384

Gel Extraction Tool

Cat. No.	Description	Pack Size
N2000-0025	X-Tracta™ Gel Extraction Tool	25
N2000-0100	X-Tracta™ Gel Extraction Tool	100

Perform DNA sample extractions with great accuracy and precision in a rapid, four-step process. The disposable polyethylene tool cleanly cuts and picks up uniform slices of gel, eliminating possible cross-contamination from razor blades and other gel-cutting methods.

Gel-Loading Tips

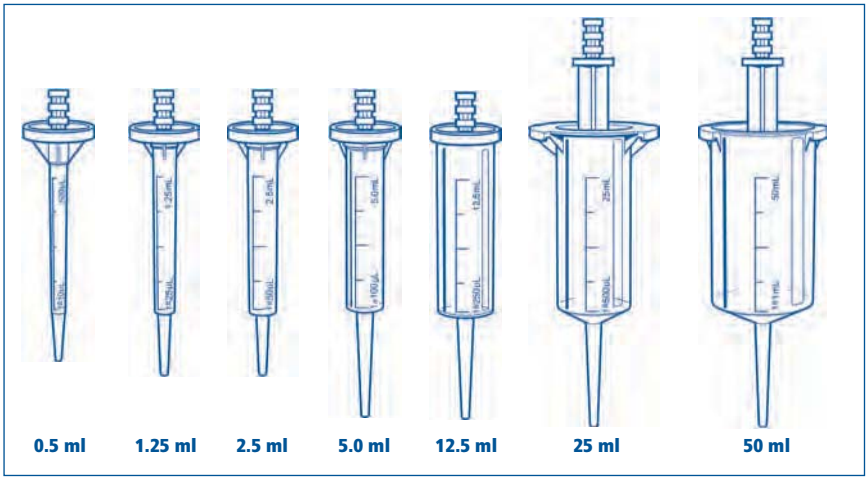
Round Gel-Loading Tips

All tips are certified and natural in colour	Cat. No	Pack Type	Sterile	Pack Size
10 µl Round Gel-Loading Tip For use with: ErgoOne®, Gilson®, Biohit®, Eppendorf®, Nichiryo®, Oxford-Benchmate®, StarPet	Length: 56.62 mm. Orifice: OD. 0.58 mm / ID. 0.30 mm			
	I1010-3000	Bag	No	1000
	I1010-3600	204-Tip Rack	No	5 x 204
	I1010-3610	204-Tip Rack	Yes	5 x 204
10 µl Round Gel-Loading Filter Tip For use with: ErgoOne®, Gilson®, Biohit®, Eppendorf®, Nichiryo®, Oxford-Benchmate®, StarPet	Length: 56.62 mm. Orifice: OD. 0.58 mm / ID. 0.30 mm			
	I1010-3800	204-Tip Rack	Yes	1020
10 µl Round Gel-Loading Tip For use with: ErgoOne®, Eppendorf®, Gilson®, Nichiryo®, Oxford-Benchmate®, Socorex®, StarPet	Length: 71.25 mm. Orifice: OD. 0.58 mm / ID. 0.30 mm			
	I1012-3600	204-Tip Rack	No	8 x 204
	I1012-3610	204-Tip Rack	Yes	8 x 204
20 µl Round Gel-Loading Filter Tip For use with: ErgoOne®, Gilson®, Costar®, Eppendorf®, MLA®, Socorex®, Volac®	Length: 68 mm. Orifice: OD. 0.60 mm / ID. 0.30 mm			
	E1021-0618	204-Tip Rack	Yes	5 x 204
100 µl Round Gel-Loading Filter Tip For use with: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, Nichiryo®, Oxford-Benchmate®, Socorex®, StarPet, Titertek®, Volac®	Length: 68 mm. Orifice: OD. 0.60 mm / ID. 0.30 mm			
	E1022-0008	Bag	No	1000
	I1022-0810	204-Tip Rack	Yes	5 x 204
200 µl Round Gel-Loading Tip For use with: ErgoOne®, Gilson®, Biohit®, Eppendorf®, Finnpipette®, MLA®, Nichiryo®, Oxford-Benchmate®, Rainin®, StarPet®, Socorex®, Titertek®, Volac®	Length: 68 mm. Orifice: OD. 0.60 mm / ID. 0.30 mm			
	I1022-0000	Bag	No	1000
	I1022-0600	204-Tip Rack	No	5 x 204
	I1022-0610	204-Tip Rack	Yes	5 x 204

Flat Gel-Loading Tips

All tips are certified and natural in colour	Cat. No	Pack Type	Sterile	Tip Thickness	Pack Size
10 µl Flat Gel-Loading Tip For use with: ErgoOne®, Gilson®, Biohit®, Eppendorf®, Nichiryo®, Oxford-Benchmate®, StarPet	I1012-2600	200-Tip Rack	No	0.20 mm	1 x 200
	I1012-4600	200-Tip Rack	No	0.40 mm	1 x 200
10 µl Flat Gel-Loading Tip For use with: ErgoOne®, Eppendorf®, Nichiryo®, Oxford-Benchmate®, Socorex®, StarPet	I1011-2600	200-Tip Rack	No	0.20 mm	1 x 200
	I1011-4600	200-Tip Rack	No	0.40 mm	1 x 200
200 µl Flat Gel-Loading Tip For use with: ErgoOne®, Gilson®, Biohit®, Costar®, Eppendorf®, Finnpipette®, Fisherbrand®, Nichiryo®, Oxford-Benchmate®, Rainin®, Socorex®, StarPet, Titertek®	I1022-2600	200-Tip Rack	No	0.20 mm	1 x 200
	I1022-4600	200-Tip Rack	No	0.40 mm	1 x 200

TipOne® Repeat Dispenser Tips



TipOne Repeat

Dispenser tips you'll want to use again!

TipOne® Repeat offers high quality, value replacement dispenser tips for many popular dispensing systems.

Features

- Available non-sterile bulk, or sterile individually wrapped
- High accuracy and precision
- ISO 8655 manufactured
- Polypropylene cylinder
- Polyethylene piston

TipOne Repeat Tips are compatible with:

- STARLAB RepeatOne® (see page 50)
- Eppendorf® Multipette® 4780
- Brand® Handystep® Manual
- Gilson® Distriman®
- Ritter® Ripette®
- Biohit® Electronic

Dispenser Tips		
Cat. No.	Description	Pack Size
	Non-Sterile	
S4770-0050	0.5 ml TipOne® Repeat Dispenser Tips	100
S4772-0125	1.25 ml TipOne® Repeat Dispenser Tips	100
S4774-0250	2.5 ml TipOne® Repeat Dispenser Tips	100
S4776-0500	5.0 ml TipOne® Repeat Dispenser Tips	100
S4778-1250	12.5 ml TipOne® Repeat Dispenser Tips	100
S4780-2500	25 ml TipOne® Repeat Dispenser Tips	50
S4782-5000	50 ml TipOne® Repeat Dispenser Tips	25
S4026-1525	Adaptor for 25 ml and 50 ml Dispenser Tips	1
	Sterile, Individually Wrapped	
S4784-0050	0.5 ml TipOne® Repeat Dispenser Tips (Sterile)	100
S4786-0125	1.25 ml TipOne® Repeat Dispenser Tips (Sterile)	100
S4788-0250	2.5 ml TipOne® Repeat Dispenser Tips (Sterile)	100
S4790-0500	5.0 ml TipOne® Repeat Dispenser Tips (Sterile)	100
S4792-1250	12.5 ml TipOne® Repeat Dispenser Tips (Sterile)	100
S4794-2500	25 ml TipOne® Repeat Dispenser Tips (Sterile)	50
S4796-5000	50 ml TipOne® Repeat Dispenser Tips (Sterile)	25

Sterile adapters available on request.

Repeat Dispenser

See page 50 for ordering details of STARLAB's RepeatOne® Dispenser

Application Guide					
Dispenser Tip Volume	Dispenser Adjustment				
	1	2	3	4	5
0.5 ml	10 µl	20 µl	30 µl	40 µl	50 µl
1.25 ml	25 µl	50 µl	75 µl	100 µl	125 µl
2.5 ml	50 µl	100 µl	150 µl	200 µl	250 µl
5.0 ml	100 µl	200 µl	300 µl	400 µl	500 µl
12.5 ml	250 µl	500 µl	750 µl	1000 µl	1250 µl
25 ml	500 µl	1000 µl	1500 µl	2000 µl	2500 µl
50 ml	1000 µl	2000 µl	3000 µl	4000 µl	5000 µl
Steps*	**48**	**23**	**15**	**11**	**8**

*Number of steps may vary according to dispenser manufacturer.

Robotic Tips

STARLAB ROBOTIC TIPS
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TIPS FOR BECKMAN COULTER®
Biomek® 1000 & 2000 25
Biomek® 3000 26–27
Biomek® FX & NX 26–27
Multimek® 26–28

TIPS FOR BIOTEK®
Precision™ & Precision™ XS 28

TIPS FOR CALIPER® / ZYMARK®
RapidPlate® 96 29
SciClone® 29

TIPS FOR CORBETT®
CAS-4200 29

TIPS FOR FLIPR®
FLIPR® 96 36
Liberty® 384 36

TIPS FOR PACKARD® / PERKIN ELMER®
MultiProbe® II 30–31
MultiProbe® IIHT/EX 30
Evolution® P³, MiniTrak™ & PlateTrak™ 32
Janus® 31–32

TIPS FOR QIAGEN®
3000, 8000, 9600, 9604, Rosys® & Colibra® 33
QIAgility® (formerly Corbett CAS-1200) 33

TIPS FOR SAGIAN™
Multipette® 36

TIPS FOR TECAN®
Aquarius® 34
Freedom EVO® 34–35
Genesis & MiniPrep 35
Te-MO™ 34

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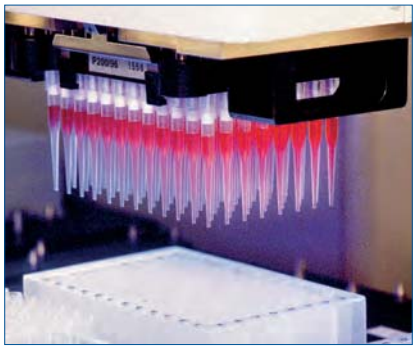
TIP–ROBOT COMPATIBILITY 37

ROBOTIC RESERVOIRS 38

STARLAB Robotic Tips: Overview



STARLAB robotic tips are engineered to the same specifications as the original, equipment manufacturers' tips to ensure compatibility and a consistent fit. Do not risk having your time and results compromised with defective materials and poor performance! With STARLAB, you can put your trust in disposables from a company that offers much more than just tips.

All robotic tips are certified RNase, DNase and DNA free.

Quality Control

Quality Control is the essential factor which gives you the freedom to walk away from your automated workstation and get on with other tasks. You need the assurance that the tip will not let you down. STARLAB robotic tips are put through stringent and thorough testing. Every lot of tips is subject to an array of demanding tests, from the geometry of the tip itself to automation-specific requirements such as clean ejection from the liquid handling head. Every lot is required to meet or exceed the parameters necessary to give you that confidence to walk away.

Tips are tested on the original robotic equipment so there is no doubt they will perform to the same requirements as the disposables from the robot manufacturer themselves.

No Special Set-Up Required!

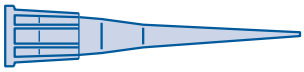
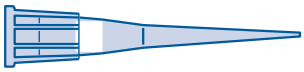
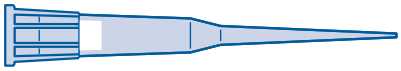
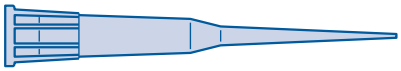
STARLAB robotic tips require no instrument hardware of software adjustment, thereby providing a simple, safe and direct high-performance substitute.

NOTES:
All tips shown actual size.
n/a = not available.
All pack sizes 10 x 96-Tip Racks, unless stated otherwise. 384-Format pack sizes 10 x 384-Tip Racks.

FREE SAMPLE TRY before you BUY available on request

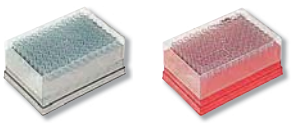
Tips for Beckman Coulter®

Biomek® 1000 • Biomek® 2000

	Rack Style/Head	Non-Sterile	Sterile
		10 Racks per Pack*	10 Racks per Pack*
 **20 µl** Tip	Grey SBS Rack P20, MP20, P200, MP200	**I 1060-2400**	**I 1060-2410**
 **20 µl** Filter Tip	Grey SBS Rack P20, MP20, P200, MP200	**n/a**	**I 1060-2810**
30 µl Filter Tip	Orange SBS Rack P20, MP20, P200, MP200	**n/a**	**I 1060-5810**
50 µl Tip	Orange SBS Rack P20, MP20, P200, MP200	**I 1060-5400**	**I 1060-5410**
WIDE orifice **165 µl** Filter Tip / Wide Orifice	Red SBS Rack P200, MP200	**n/a**	**E1075-1650**
 **180 µl** Filter Tip	Black SBS Rack P200, MP200	**n/a**	**I 1062-0810**
 **250 µl** Tip	Black SBS Rack P200, MP200	**I 1062-0400**	**I 1062-0410**
WIDE orifice **250 µl** Tip / Wide Orifice	Red SBS Rack P200, MP200	**E1075-2500**	**E1075-2510**
1000 µl Tip	Black Non-SBS Rack P1000	**10 x 72-Tip Racks E1075-3700**	**10 x 72-Tip Racks E1075-3710**
1000 µl Filter Tip	Black Non-SBS Rack P1000	**n/a**	**1 x 72-Tip Rack E1075-3810**
180 µl Conductive Filter Tip	Blue SBS Rack P200, P1000, MP20, MP200	**n/a**	**E1075-0488**

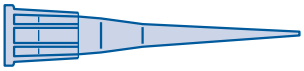
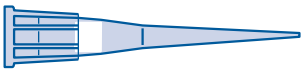
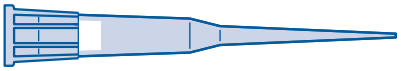
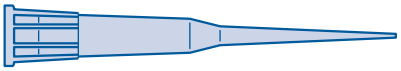
The conductive tip is also compatible with MultiProbe® I with 4 Head Probe.

*Unless stated otherwise.



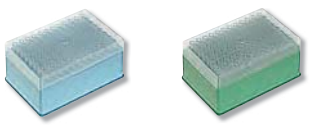
Tips for Beckman Coulter®

Biomek® FX • Biomek® NX • Biomek® 3000 • Multimek®

	Rack Style / Head	Non-Sterile	Sterile
		10 Racks per Pack	10 Racks per Pack
5 µl Filter Tip	Violet SBS Rack AP96, MP20	**n/a**	**E1076-1810**
10 µl Tip	Violet SBS Rack AP96, MP20	**E1076-1400**	**E1076-1410**
 **20 µl** Tip	Pale Blue SBS Rack AP96, MP20	**E1076-4400**	**E1076-4410**
 **20 µl** Filter Tip	Pale Blue SBS Rack AP96, MP20	**n/a**	**E1076-4418**
30 µl Filter Tip	Orange SBS Rack AP96, MP20, MP200	**n/a**	**E1076-2418**
50 µl Tip	Orange SBS Rack AP96, MP20, MP200	**E1076-2400**	**E1076-2410**
 **175 µl** Filter Tip	Green SBS Rack AP96, MP200	**n/a**	**E1076-0418**
 **250 µl** Tip	Green SBS Rack AP96, MP200	**E1076-0400**	**E1076-0410**
165 µl Filter Tip / Wide Orifice	Green SBS Rack AP96, SPAN-8, MP200	**n/a**	**E1076-6810**
250 µl Tip / Wide Orifice	Green SBS Rack AP96, SPAN-8, MP200	**E1076-2500**	**E1076-2810**
25 µl 384-Format Filter Tip	Green SBS Rack AP384	**n/a**	**E1076-3810**
30 µl 384-Format Tip	Green SBS Rack AP384	**E1076-3400**	**E1076-3410**
30 µl 384-Format XL Filter Tip	Green SBS Rack AP384	**n/a**	**E1076-5411**
50 µl 384-Format XL Tip	Green SBS Rack AP384	**E1076-5810**	**E1076-5401**

96-well tips also compatible with:
- Gilson® Cyberlab®

384-well tips also compatible with:
- Dynamic Devices® Oasis® LM with 384-Channel Low Volume head
- Hamilton® Microlab® STAR, STARlet & STARplus with 384 head



Tips for Beckman Coulter®

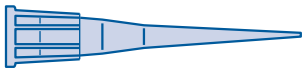
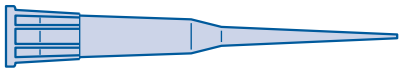
Biomek® FX • Biomek® NX • Biomek® 3000 • Multimek®

Economical and environmentally-friendly refill system!

- Refillable racks and space-saving refill stacks
- Quick and easy racking with easy-locate tabs on each refill
- Reusable racks means less waste and less cost
- No programming or software changes required

REFILLABLE RACKS
Get yourself started with a pack of 10 ready-filled refillable racks

REFILLS
2 stacks of 5 refills in a refillable rack per packls

	Rack Style / Head	Refillable Racks		Refills	
		NON-STERILE	STERILE	NON-STERILE	STERILE
		10 Racks per Pack		10 Refills / 2 Racks per Pack	
 **20 µl** Tip	Pale Blue Rack or Refill AP96	**E1076-4800**	**E1076-4810**	**E1076-4700**	**E1076-4710**
 **250 µl** Tip	Green Rack or Refill AP96	**E1076-0800**	**E1076-0810**	**E1076-0700**	**E1076-0710**

Press in tabs on either side to lift off the refill layer ...

...place the refill into an empty refillable rack ...

... for a rack of 96 tips, ready for use

Tips for Beckman Coulter®

Biomek® FX • Biomek® NX

	Rack Style / Head	Non-Sterile	Sterile
		10 Racks per Pack	10 Racks per Pack
20 µl Conductive Tip	Grey SBS Rack SPAN-8 Liquid Level Sensing Head	**E1076-5402**	**E1076-5420**
20 µl Conductive Filter Tip	Grey SBS Rack SPAN-8 Liquid Level Sensing Head	**n/a**	**E1076-5418**
30 µl Conductive Filter Tip	Green SBS Rack SPAN-8 Liquid Level Sensing Head	**n/a**	**E1076-6418**
50 µl Conductive Tip	Green SBS Rack SPAN-8 Liquid Level Sensing Head	**E1076-6400**	**E1076-6410**
165 µl Conductive Filter Tip	Pale Blue SBS Rack SPAN-8 Liquid Level Sensing Head	**n/a**	**E1076-7418**
250 µl Conductive Tip	Pale Blue SBS Rack SPAN-8 Liquid Level Sensing Head	**E1076-7400**	**E1076-7410**

Tips for Beckman Coulter®

Multimek®

	Rack Style / Head	Non-Sterile	Sterile
		10 Racks per Pack	10 Racks per Pack
30 µl Filter Tip	Red SBS Rack CCS P50	**n/a**	**E1072-5418**
50 µl Tip	Red SBS Rack CCS P50	**E1072-5400**	**E1072-5410**
180 µl Filter Tip	Blue SBS Rack CCS P200	**n/a**	**E1072-2418**
200 µl Tip	Blue SBS Rack CCS P200	**E1072-2400**	**E1072-2410**
180 µl Filter Tip (Robbins Style)	Blue SBS Rack CCS P200	**n/a**	**E1072-3418**
200 µl Tip (Robbins Style)	Blue SBS Rack CCS P200	**E1072-3400**	**E1072-3410**
250 µl Tip	Grey SBS Rack CCS P200	**E1076-5400**	**E1076-5410**

Tips for Biotek®

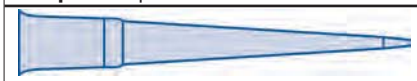
Precision™ • Precision™ XS

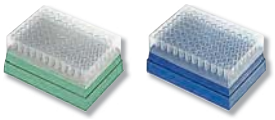
	Rack Style / Head	Non-Sterile	Sterile
		10 Racks per Pack	10 Racks per Pack
200 µl Tip	Blue SBS Rack Single, 8- or 12-Head	**E1074-2400**	**E1074-2410**
200 µl Filter Tip	Blue SBS Rack Single, 8- or 12-Head	**n/a**	**E1074-2418**

FREE SAMPLE TRY before you BUY available on request

Tips for Caliper® / Zymark®

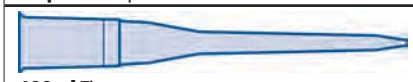
RapidPlate® 96 • SciClone®

	Rack Style / Head	Non-Sterile	Sterile
		10 Racks per Pack	10 Racks per Pack
50 µl Tip	Green Non-SBS Rack HV96	**E1015-5800**	**E1015-5810**
50 µl Filter Tip	Green Non-SBS Rack HV96	**n/a**	**E1025-5810**
80 µl Filter Tip	Grey Non-SBS Rack HV96	**n/a**	**E1025-1810**
100 µl Tip	Grey Non-SBS Rack HV96	**E1015-1801**	**E1025-1811**
150 µl Filter Tip	Purple Non-SBS Rack HV96	**n/a**	**I 1016-0810**
 **200 µl** Tip	Purple Non-SBS Rack HV96	**I 1016-0400**	**I 1016-0410**
WIDE orifice **180 µl** Filter Tip / Wide Orifice	Blue Non-SBS Rack HV96	**n/a**	**E1026-2810**
WIDE orifice **200 µl** Tip / Wide Orifice	Blue Non-SBS Rack HV96	**E1016-2800**	**E1016-2810**



Tips for Corbett®

CAS-4200

	Rack Style / Head	Non-Sterile	Sterile
		10 Racks per Pack	10 Racks per Pack
80 µl Filter Tip	Grey Non-SBS Rack CAS-4200-1ch. 20-150 µl.sec	**n/a**	**E1025-1810**
 **100 µl** Tip	Grey Non-SBS Rack CAS-4200-1ch. 20-150 µl.sec	**E1015-1801**	**E1025-1811**
180 µl Filter Tip	Blue Non-SBS Rack CAS-4200-1ch. 20-150 µl.sec	**n/a**	**E1015-2810**
200 µl Tip	Blue Non-SBS Rack CAS-4200-1ch. 20-150 µl.sec	**E1015-2000**	**E1015-2010**
WIDE orifice **180 µl** Filter Tip / Wide Orifice	Blue Non-SBS Rack HV96	**n/a**	**E1026-2810**
WIDE orifice **200 µl** Tip / Wide Orifice	Blue Non-SBS Rack HV96	**E1016-2800**	**E1016-2810**

Corbett CAS-1200 is now called QIAgility®. See page 33 for tips.

Tips for Packard®

MultiProbe® II • MultiProbe® IIHT/EX

	Rack Style / Head	Non-Sterile	Sterile
		24 Racks per Pack	24 Racks per Pack
10 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-3700**	**R1081-3700**
10 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-3810**	**R1028-3810**
50 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-5700**	**R1081-5700**
50 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-5810**	**R1028-5810**
200 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-0700**	**R1081-0700**
200 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-0810**	**R1028-0810**
1000 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-2700**	**R1081-2700**
1000 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-2810**	**R1028-2810**
10 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-3709**	**R1081-3709**
10 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-3819**	**R1028-3819**
50 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-5709**	**R1081-5709**
50 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-5819**	**R1028-5819**
200 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-0709**	**R1081-0709**
200 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-0819**	**R1028-0819**
1000 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-2709**	**R1081-2709**
1000 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-2819**	**R1028-2819**

Also compatible with:

- Aurora Biomed® Versa™ systems with 8-channel head
- Qiagen® QIAgility® (CAS-1200) with single-channel head

Tips for Perkin Elmer®

Janus® • MultiProbe® II

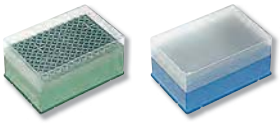
	Rack Style / Head	Non-Sterile	Sterile
		10 Racks per Pack*	10 Racks per Pack*
20 µl Tip	Green/Blue SBS Rack Varispan-1, -4, -8	**E1178-2400**	**E1178-2410**
25 µl Filter Tip	Green/Green SBS Rack Varispan-1, -4, -8	**n/a**	**E1178-5418**
50 µl Tip	Green/Green SBS Rack Varispan-1, -4, -8	**E1178-5400**	**E1178-5410**
175 µl Filter Tip	Green/Red SBS Rack Varispan-1, -4, -8,	**n/a**	**E1178-6418**
200 µl Tip	Green/Red SBS Rack Varispan-1, -4, -8,	**E1178-6400**	**E1178-6410**
1000 µl Tip	White Hanging Rack Varispan-1, -4, -8	**Pack Size: 24 Racks** **R1181-2700**	**Pack Size: 24 Racks** **R1081-2700**
1000 µl Filter Tip	White Hanging Rack Varispan-1, -4, -8	**Pack Size: 24 Racks** **R1128-2810**	**Pack Size: 24 Racks** **R1028-2810**
20 µl Conductive Tip	Green/Blue SBS Rack Varispan-1, -4, -8	**E1178-2408**	**E1178-2418**
25 µl Conductive Filter Tip	Green/Green SBS Rack Varispan-1, -4, -8	**n/a**	**E1178-5488**
50 µl Conductive Tip	Green/Green SBS Rack Varispan-1, -4, -8	**E1178-5408**	**E1178-5428**
175 µl Conductive Filter Tip	Green/Red SBS Rack Varispan-1, -4, -8	**n/a**	**E1178-6488**
200 µl Conductive Tip	Green/Red SBS Rack Varispan-1, -4, -8	**E1178-6408**	**E1178-6428**
1000 µl Conductive Tip	White Hanging Rack Varispan-1, -4, -8	**Pack Size: 24 Racks** **R1181-2709**	**Pack Size: 24 Racks** **R1081-2709**
1000 µl Conductive Filter Tip	White Hanging Rack Varispan-1, -4, -8	**Pack Size: 24 Racks** **R1128-2819**	**Pack Size: 24 Racks** **R1028-2819**

*Unless stated otherwise

Tips for Perkin Elmer®

Janus® • Evolution® P³ • MiniTrak™ • PlateTrak™

	Rack Style / Head	Non-Sterile	Sterile
		10 Racks per Pack	10 Racks per Pack
20 µl Tip	Green SBS Rack MDT-96 P50	**E1078-2400**	**E1078-2410**
20 µl Filter Tip	Green SBS Rack MDT-96 P50	**n/a**	**E1078-2810**
30 µl Filter Tip	Green SBS Rack MDT-96 P50	**n/a**	**E1078-5418**
50 µl Tip	Green SBS Rack MDT-96 P50	**E1078-5400**	**E1078-5410**
180 µl Filter Tip	Green SBS Rack MDT-96 P235	**n/a**	**E1078-6418**
235 µl Tip	Green SBS Rack MDT-96 P235	**E1078-6400**	**E1078-6410**
180 µl Filter Tip / Wide Orifice	Green SBS Rack MDT-96 P235	**n/a**	**E1078-2018**
235 µl Tip / Wide Orifice	Green SBS Rack MDT-96 P235	**E1078-2000**	**E1078-2010**
30 µl 384-Format Tip	Blue SBS Rack MDT-384 30 µl	**E1078-3000**	**E1078-3010**
30 µl 384-Format Filter Tip	Blue SBS Rack MDT-384 30 µl	**n/a**	**E1078-3018**



FREE SAMPLE TRY before you BUY available on request

Tips for Qiagen®

3000 • 8000 • 9600 • 9604 • Rosys® • Colibra®

	Rack Style / Head	Non-Sterile	Sterile
		10 Racks per Pack	10 Racks per Pack
300 µl Tip	Clear Hanging Rack MDX Head	**E1077-0400**	**n/a**
300 µl Filter Tip	Clear Hanging Rack MDX Head	**n/a**	**E1077-0488**
1100 µl Tip	Grey Hanging Rack MDX Head	**E1077-4400**	**n/a**
1100 µl Filter Tip	Grey Hanging Rack MDX Head	**n/a**	**E1077-4488**
300 µl Conductive Tip	Clear Hanging Rack MDX Head	**E1077-0402**	**E1077-0412**
300 µl Conductive Filter Tip	Clear Hanging Rack MDX Head	**n/a**	**E1077-0418**
1100 µl Conductive Tip	Grey Hanging Rack MDX Head	**E1077-4402**	**E1077-4412**
1100 µl Conductive Filter Tip	Grey Hanging Rack MDX Head	**n/a**	**E1077-4418**

Tips for Qiagen®

QIAgility® (formerly CAS-1200)

	Rack Style / Head	Non-Sterile	Sterile
		10 Racks per Pack	10 Racks per Pack
50 µl Conductive Filter Tip	Clear Hanging Rack Single-Channel Pipette	**n/a**	**E1172-1418**
200 µl Conductive Filter Tip	Clear Hanging Rack Single-Channel Pipette	**n/a**	**E1173-2418**

Tips for Tecan®

Aquarius® • Freedom EVO® • Te-MO™

	Rack Style / Head	Non-Sterile	Sterile
		10 Racks per Pack	10 Racks per Pack
50 µl Tip	Green Non-SBS Rack MCA96, Te-MO 96	**E1015-5800**	**E1015-5810**
50 µl Filter Tip	Green Non-SBS Rack MCA96, Te-MO 96	**n/a**	**E1025-5810**
80 µl Filter Tip	Grey Non-SBS Rack MCA96, Te-MO 96	**n/a**	**E1025-1810**
100 µl Tip	Grey Non-SBS Rack MCA96, Te-MO 96	**E1015-1801**	**E1025-1811**
180 µl Filter Tip	Blue Non-SBS Rack MCA96, Te-MO 96	**n/a**	**E1015-2810**
200 µl Tip	Blue Non-SBS Rack MCA96, Te-MO 96	**E1015-2000**	**E1015-2010**
180 µl Filter Tip / Wide Orifice	Blue Non-SBS Rack MCA96, Te-MO 96	**n/a**	**E1026-2810**
200 µl Tip / Wide Orifice	Blue Non-SBS Rack MCA96, Te-MO 96	**E1016-2800**	**E1016-2810**

Tips for Tecan®

Te-MO™ Refills

	Rack Style / Head	Refills
		10 Refills per Pack
150 µl Filter Tip (Sterile)	Yellow Refill Wafer Te-MO 96	**R1129-1810** **R1129-1810-C** (8)
200 µl Tip	Yellow Refill Wafer Te-MO 96	**R1188-1700** **R1188-1700-C** (18)

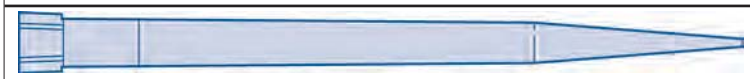
Also compatible with Caliper®/Zymark® RapidPlate® 96 robotic systems.

Frame for Tecan® Te-MO™ Refills (Required to use the refills, LiHa Option)	**A1188-0700**
Frame Tecan® Te-MO™ Refills (Required to use the refills, MCA Option)	**A1188-0701**

NOTE: Cat. Nos ending in -C are case sizes.
Number in brackets = number of packs per case.

Tips for Tecan® (with LiHa)

Freedom EVO® • Genesis • MiniPrep

	Rack Style / Head	Non-Sterile	Sterile
Tips for research purposes only		24 Racks per Pack	24 Racks per Pack
10 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-3700**	**R1081-3700**
10 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-3810**	**R1028-3810**
50 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-5700**	**R1081-5700**
50 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-5810**	**R1028-5810**
200 µl Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-0700**	**R1081-0700**
200 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-0810**	**R1028-0810**
 **1000 µl** Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-2700**	**R1081-2700**
1000 µl Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-2810**	**R1028-2810**
10 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-3709**	**R1081-3709**
10 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-3819**	**R1028-3819**
50 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-5709**	**R1081-5709**
50 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-5819**	**R1028-5819**
200 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-0709**	**R1081-0709**
200 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-0819**	**R1028-0819**
1000 µl Conductive Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1181-2709**	**R1081-2709**
1000 µl Conductive Filter Tip	White Hanging Rack Varispan with 4 or 8 head probe	**R1128-2819**	**R1028-2819**

Also compatible with:

- Aurora Biomed® Versa™ systems with 8-channel head
- Qiagen® QIAgility® (CAS-1200) with single-channel head

Tips for Sagian™
MultiPette®

	Rack Style / Head	Non-Sterile	Sterile
		10 Racks per Pack	10 Racks per Pack
180 µl Filter Tip	Blue SBS Rack CCS P200	**n/a**	**E1072-2418**
200 µl Tip	Blue SBS Rack CCS P200	**E1072-2400**	**E1072-2410**

Tips for FLIPR®
FLIPR® 96 • Liberty® 384

	Rack Style / Head	Non-Sterile	Sterile
		10 Racks per Pack	10 Racks per Pack
50 µl Tip	Red SBS Rack 96 Head	**E1072-5400**	**E1072-5410**
250 µl Tip	Grey SBS Rack 96 Head	**E1076-5400**	**E1076-5410**
384 format **30 µl** 384-Format Filter Tip	Blue SBS Rack Type B 384 Head	**E1073-3400**	**E1073-3410**

Tips for Wellpro®
Auto Dispensers

	Rack Style / Head	Non-Sterile	Sterile
		10 Racks per Pack	10 Racks per Pack
200 µl Tip	Grey Non-SBS Rack 8/12-Channel	**E1079-2400**	**E1079-2410**
200 µl Filter Tip	Grey Non-SBS Rack 8/12-Channel	**n/a**	**E1079-2418**
384 format **30 µl** 384-Format XL Filter Tip	Green SBS Rack 16/24-Channel	**n/a**	**E1076-5411**
384 format **50 µl** 384-Format XL Tip	Green SBS Rack 16/24-Channel	**E1076-5810**	**E1076-5401**

Tip–Robot Compatibility

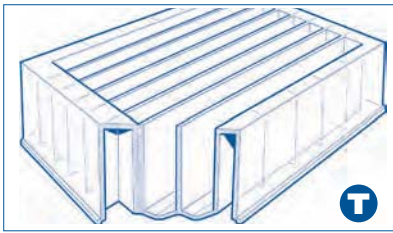
GO TO:	Page 25	Page 26	Page 27	Page 28	Page 29	Page 30	Page 31	Page 32	Page 33	Page 34	Page 35	Page 36
Aurora Biomed® Versa™: 8-Channel						✓					✓	
Beckman® Biomek® 1000/2000: P20, MP20, P200, MP200, P1000	✓											
Beckman® Biomek® 3000: AP96, MP20, MP200, AP384		✓	✓									
Beckman® Biomek® FX: AP96, MP20, MP200, AP384		✓	✓									
Beckman® Biomek® FX: SPAN-8		✓	✓									
Beckman® Biomek® NX: AP96, MP20, MP200, AP384		✓	✓									
Beckman® Biomek® NX: SPAN-8		✓	✓									
Beckman® Multimek®: AP96, MP20, MP200		✓	✓									
Beckman® Multimek®: CCS P50, P200				✓								
Biotek® Precision™ & Precision™ XS: Single, 8 or 12-Head				✓								
Caliper®/Zymark® RapidPlate® 96: HV96					✓					✓		
Caliper®/Zymark® SciClone®: HV96					✓							
Corbett® CAS-1200: Single-Channel Head						✓			✓		✓	
Corbett® CAS-4200: 1-ch.20-150 µl.sec, HV96					✓							
Dynamic Devices® Oasis® LM: 384-Ch Low Volume		✓										
FLIPR® FLIPR® 96, Liberty® 384												✓
Gilson® Cyberlab®		✓										
Hamilton® Microlab® STAR, STARlet, STARplus: 384 Head		✓										
Packard® Multiprobe® I: 4 Head Probe	✓											
Packard® Multiprobe® II: Varispan 4 or 8 head probe						✓	✓					
Packard® Multiprobe® IIEX/HT: Varispan 4 or 8 head probe						✓						
Perkin Elmer® Evolution® P³: MDT-96 P50, P235, MDT-384								✓				
Perkin Elmer® Janus®: MDT-96 P50, P235, MDT-384								✓				
Perkin Elmer® Janus®: Varispan -1, -4 -8							✓					
Perkin Elmer® MiniTrak™: MDT-96 P50, P235, MDT-384								✓				
Perkin Elmer® PlateTrak™: MDT-96 P50, P235, MDT-384								✓				
Qiagen® 3000, 8000 & 9600/9604: MDX									✓			
Qiagen® Rosys® & Colibra®: MDX									✓			
Qiagen® QiAgility®: Single-Channel Pipette						✓			✓		✓	
Sagian™ Multipette®: CCS P200												✓
Tecan® Aquarius®: MCA96										✓		
Tecan® Freedom EVO®: MCA96										✓		
Tecan® Freedom EVO®: LiHa-1, -4 & -8											✓	
Tecan® Genesis: LiHa-1, -4 & -8											✓	
Tecan® MiniPrep: LiHa-1, -4 & -8											✓	
Tecan® Te-MO™: Te-MO 96										✓		
Wellpro® Auto Dispensers: 8/12-channel or 16/24-channel												✓

This chart is intended as a guide only. Please check the relevant page to ensure a specific tip's compatibility with your robotic system and the head type. Contact us for a free sample rack of tips to ensure compatibility with your robotic system.

Robotic Reservoirs

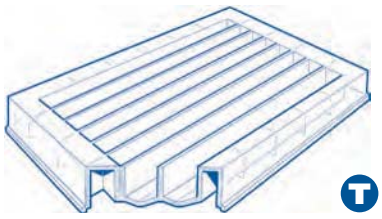
High quality for high throughput!

STARLAB reservoirs conform to the standard SBS footprint for compatibility with most robotic systems. They have virtually no dead volume and are available in two heights and three well styles. The sturdy polypropylene construction ensures rigidity during automation and excellent chemical resistance.



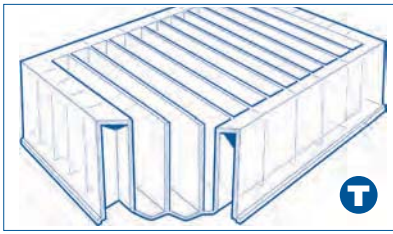
Multi-Well
8-Channel
High Profile
80 ml Reservoir, Multi-Well with 8 x 10 ml Troughs

E2999-8008
Pack 25



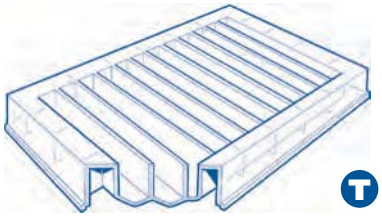
Multi-Well
8-Channel
Low Profile
32 ml Reservoir, Multi-Well with 8 x 4.0 ml Troughs

E2999-3208
Pack 25



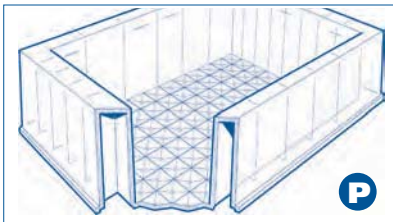
Multi-Well
12-Channel
High Profile
84 ml Reservoir, Multi-Well with 12 x 7.0 ml Troughs

E2999-8412
Pack 25



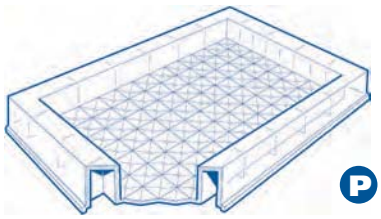
Multi-Well
12-Channel
Low Profile
21 ml Reservoir, Multi-Well with 12 x 1.75 ml Troughs

E2999-2112
Pack 25



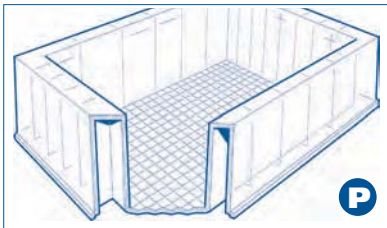
Single-Well
96 Pyramid Bottoms
High Profile
240 ml Reservoir, Single Well with 96 Pyramid Bottoms

E2999-2496
Pack 25



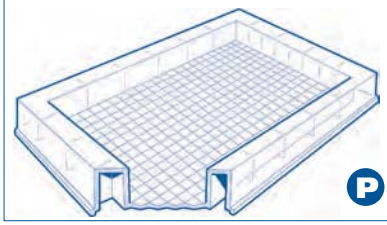
Single-Well
96 Pyramid Bottoms
Low Profile
86 ml Reservoir, Single Well with 96 Pyramid Wells

E2999-8696
Pack 25



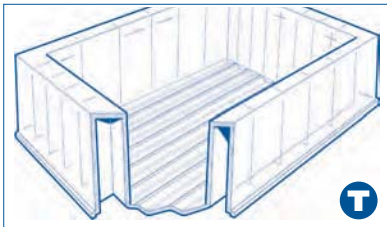
Single-Well
384 Pyramid Bottoms
High Profile
282 ml Reservoir, Single Well with 384 Pyramid Bottoms

E2999-2384
Pack 25



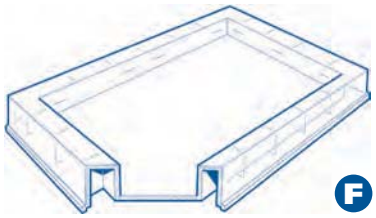
Single-Well
384 Pyramid Bottoms
Low Profile
92 ml Reservoir, Single well with 384 Pyramid Bottoms

E2999-9238
Pack 25



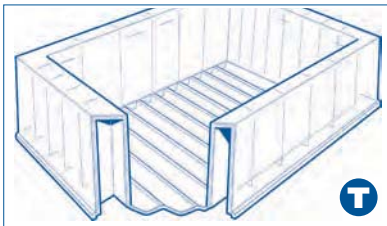
Single-Well
8 Trough Bottoms
High Profile
290 ml Reservoir, Single Well with 8 Trough Shaped Bottoms

E2999-2908
Pack 25



Single-Well
Flat Bottom
Low Profile
90 ml Reservoir, Single Well with Flat Bottom, Low-Profile

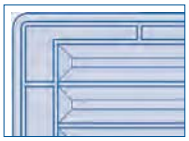
E2999-0901
Pack 25



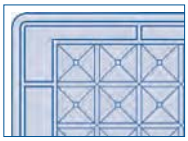
Single-Well
12 Trough Bottoms
High Profile
290 ml Reservoir, Single Well with 12 Trough-Shaped Bottoms

E2999-2912
Pack 25

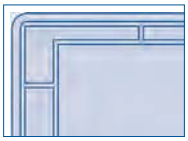
All robotic reservoirs are certified RNase, DNase and Pyrogen free



T TROUGH
Troughs extend the length/width of reservoir, ideal for 8/12 channel applications



P PYRAMID
Pyramid -shaped collection pools to help minimise dead volume



F FLAT
Guaranteed flatness for a variety of applications

Pipettes

MANUAL PIPETTES
ErgoOne® Pipettes: Overview 40–41
ErgoOne® Single-Channel Pipettes 42–43
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StarPet Filler (Manual) 48

SEROLOGICAL PIPETTES
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REPEAT DISPENSER
RepeatOne® Dispenser 50

ErgoOne® Pipettes: Overview

Challenging in Performance and Price

Everyday, pipettes are confronted with multiple tasks that must be exact and precise. Reliability is key in the laboratory and your pipette must be trusted to perform well, day in, day out.

As one of the most frequently used instruments in the laboratory, pipettes must also be comfortable to use and provide the features you need. ErgoOne® pipettes combine researcher-requested features with the latest ergonomic principles to provide optimum performance. ErgoOne® provides you with accuracy and precision you can trust, and a stylish new look you will love.

Lightweight and extremely easy to use, ErgoOne® can be trusted to provide accurate and precise pipetting all day, every day. Use with STARLAB's TipOne® Tips for the perfect pipetting partnership.

ErgoOne® is designed to fit all popular pipettes without any loss of accuracy or precision.

Features

- Minimal operating forces
- Lightweight ergonomic design
- Colour coded
- Volume lock
- Fully autoclavable
- UV-resistant
- Low maintenance
- Made in Germany
- 3-year warranty

ErgoOne® multi-channel ordering info pages 44–45.

ErgoOne

Contoured handle
for extra comfort

Fully autoclavable
and can also be UV sterilised

Easily removable tip ejector for fast cleaning

Extra volume identification

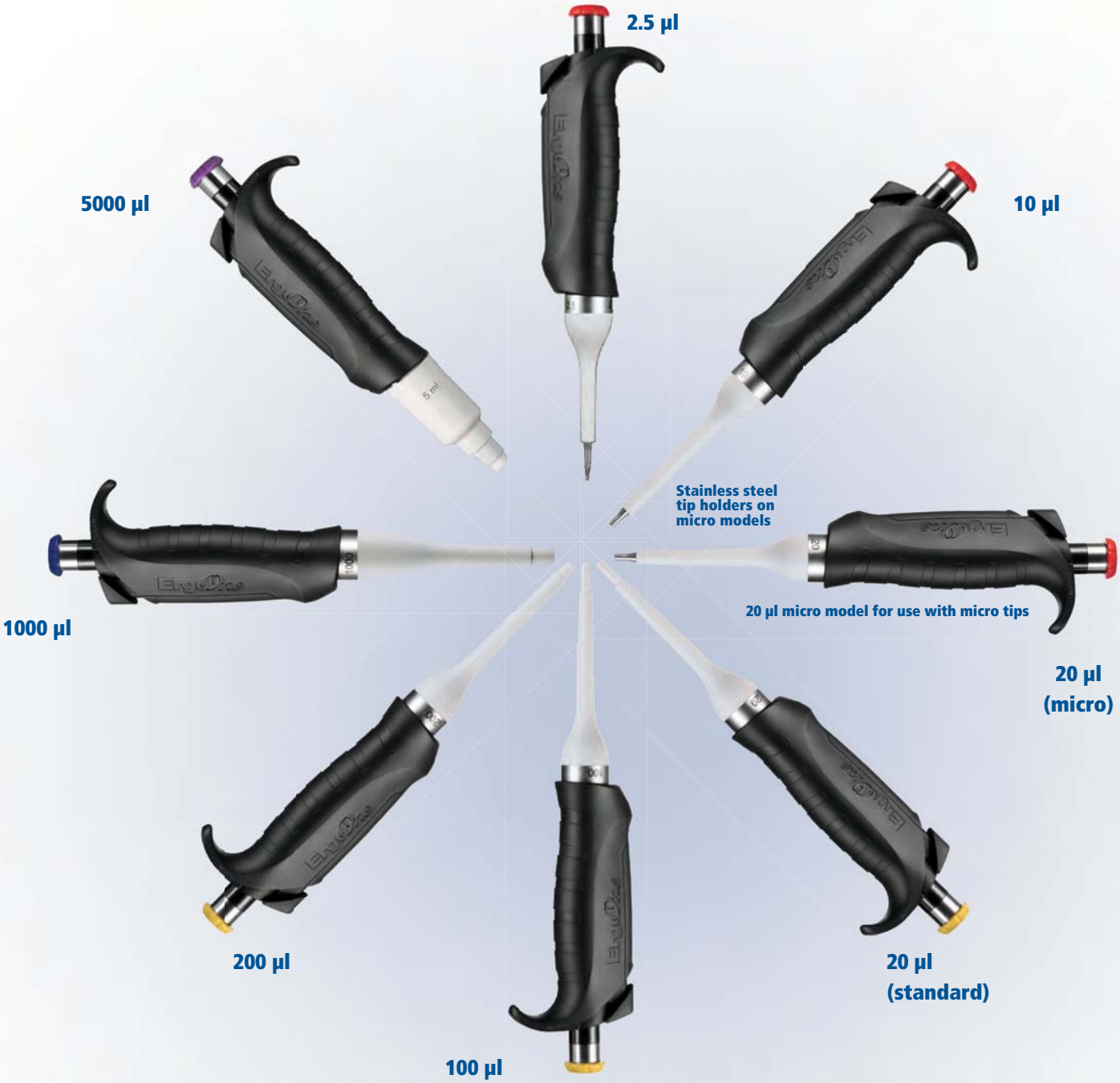
Integral, rust-free tip ejector

Reduced diameter of tip ejector
allows easy access into small tubes

product design award 2010

STAR LAB

ErgoOne® Single-Channel Pipettes



Setting the new standard in pipetting!

The range of ErgoOne® single-channel pipettes consists of eight models covering the volume range 0.1 µl to 5 ml.

Features

- Minimal operating forces
- Lightweight ergonomic design
- Colour coded
- Volume lock
- Fully autoclavable
- UV-resistant
- Low maintenance
- Made in Germany
- 3-year warranty

iF product design award 2010

ErgoOne®

Single-Channel Ordering Info & Specifications						
Cat. No.	Volume Range (Colour Coding)	Volume µl	Systematic Error (Inaccuracy) ± %		Random Error (Imprecision) ± %	
			EN ISO 8655-2	ErgoOne®	EN ISO 8655-2	ErgoOne®
S7100-0125	0.1 – 2.5 µl (Red)	0.1	125	24	75	12
		1.25	10	2.5	6.0	1.5
		2.5	5.0	1.4	3.0	0.7
S7100-0510	0.5 – 10 µl (Red)	1.0	12	2.5	8.0	1.8
		5	2.4	1.5	1.6	0.8
		10	1.2	1.0	0.8	0.4
S7100-0221 (micro cone)	2 – 20 µl (Red)	2	10	5.0	5.0	1.5
		10	2.0	1.2	1.0	0.6
		20	1.0	1.0	0.5	0.3
S7100-0220 (standard cone)	2 – 20 µl (Yellow)	2	10	5.0	5.0	1.5
		10	2.0	1.2	1.0	0.6
		20	1.0	1.0	0.5	0.3
S7100-1100	10 – 100 µl (Yellow)	10	8.0	3.0	3.0	1.0
		50	1.6	1.0	0.6	0.3
		100	0.8	0.8	0.3	0.2
S7100-2200	20 – 200 µl (Yellow)	20	8.0	2.5	3.0	0.7
		100	1.6	1.0	0.6	0.3
		200	0.8	0.6	0.3	0.2
S7110-1000	100 – 1000 µl (Blue)	100	8.0	3.0	3.0	0.6
		500	1.6	1.0	0.6	0.2
		1000	0.8	0.6	0.3	0.2
S7150-5000	500 – 5000 µl (Violet)	500	8.0	2.4	3.0	0.6
		2500	1.6	1.2	0.6	0.25
		5000	0.8	0.6	0.3	0.15

Tested in accordance with EN ISO 8655, using STARLAB's TipOne® tips.

S7200-0000

E3099-0000

Pipette Stands

The coordinating, rotating pipette stand can hold up to eight ErgoOne® pipettes (single or multi-channel). The stand is suitable for everyday laboratory use and offers the versatility of being able to hold a range of other manufacturers pipettes too (e.g. Biohit®, Finn®, Gilson® and Rainin®).

The Acrylic stand is suitable for the use with ErgoOne®, Biohit®, Eppendorf®, Finn®, Gilson® and Rainin® pipettes, amongst others.

Pipette Stands		
Cat. No.	Description	Colour
S7200-0000	Universal Carousel Stand for up to 8 Pipettes	Black/ Silver
E3099-0000	Universal Acrylic Stand for up to 5 Pipettes	Yellow

Images for illustrative purposes only. Pipettes not included.

STARLAB

ErgoOne® Multi-Channel Pipettes

A great tool to speed up your pipetting process

ErgoOne® multi-channel pipettes are designed in acc-ordance with the latest ergonomic principles. The pipette is extremely easy to use and has minimal operating forces to help prevent hand fatigue. ErgoOne® multi-channel pipettes provide accurate and precise pipetting in a variety of volume ranges.

Features

- Minimal operating forces
- Lightweight ergonomic design
- Colour coded
- Volume lock
- Fully autoclavable
- UV-resistant
- Low maintenance
- Made in Germany
- 3-year warranty

product design award 2010

Easily removable lower part for fast cleaning
with additional volume identification

Wear-resistant polymer tip holders
(and silicone o-rings on the 100 µl and 300 µl models) for a perfect tip fit

Tip ejector
with integrated cascade lowers the tip ejection force

ErgoOne®

Multi-Channel Ordering Info & Specifications						
Cat. No.	Volume Range (Colour Coding)	Volume µl	Systematic Error (Inaccuracy) ± %		Random Error (Imprecision) ± %	
			8655-2	ErgoOne®	8655-2	ErgoOne®
8-Channel Pipettes						
S7108-0510	0.5 – 10 µl (Red)	1.0	24	8.0	16	5.0
		5.0	4.8	4.0	3.2	2.0
		10	2.4	2.0	1.6	1.0
S7108-1100	10 – 100 µl (Yellow)	10	32	3.0	12	2.0
		50	16	1.0	6.0	0.8
		100	3.2	0.8	1.2	0.3
S7108-3300	30 – 300 µl (Green)	30	26.7	3.0	10	1.0
		150	5.3	1.0	2.0	0.5
		300	2.7	0.6	1.0	0.3
12-Channel Pipettes						
S7112-0510	0.5 – 10 µl (Red)	1.0	24	8.0	16	5.0
		5.0	4.8	4.0	3.2	2.0
		10	2.4	2.0	1.6	1.0
S7112-1100	10 – 100 µl (Yellow)	10	32	3.0	12	2.0
		50	16	1.0	6.0	0.8
		100	3.2	0.8	1.2	0.3
S7112-3300	30 – 300 µl (Green)	30	26.7	3.0	10	1.0
		150	5.3	1.0	2.0	0.5
		300	2.7	0.6	1.0	0.3

Tested in accordance with EN ISO 8655, using STARLAB's TipOne® tips.

Pipette Stands

See page 43 for details.

STARLAB

StarPet E Electronic Pipettes

So easy to use!

StarPet E single and multi-channel electronic pipettes are lightweight and easy to use. These multi-functional pipettes have operating modes for standard and reverse pipetting as well as multiple and sequential pipetting, mixing of samples and serial dilutions. All functions can be easily programmed using one hand on the easy to reach, easy to use keypad.

Electronic Pipettes				
Cat. No.	Volume Range	Increments	AC*(%)	CV**(%)
		Single-Channel		
G9900-0010	0.5 – 10 µl	0.1 µl	± 4.0 to ± 1.0	≤ 2.5 to ≤ 0.4
G9900-0020	2 – 20 µl	0.1 µl	± 4.0 to ± 1.0	≤ 2.5 to ≤ 0.4
G9900-0200	10 – 200 µl	1.0 µl	± 2.5 to ± 0.6	≤ 1.0 to ≤ 0.15
G9900-1200	100 – 1200 µl	1.0 µl	± 2.5 to ± 0.5	≤ 0.6 to ≤ 0.15
		8-Channel		
G9908-0010	0.5 – 10 µl	0.1 µl	± 4.0 to ± 1.5	≤2.5 to ≤ 0.5
G9908-0020	2 – 20 µl	0.1 µl	± 4.0 to ± 1.0	≤ 2.5 to ≤ 0.5
G9908-0200	10 – 200 µl	1.0 µl	± 3.0 to ± 0.6	≤ 1.0 to ≤ 0.15
G9908-1200	100 – 1200 µl	1.0 µl	± 3.0 to ± 0.5	≤ 0.8 to ≤ 0.2
		12-Channel		
G9912-0010	0.5 – 10 µl	0.1 µl	± 4.0 to ± 1.5	≤ 2.5 to ≤ 0.5
G9912-0020	2 – 20 µl	0.1 µl	± 4.0 to ± 1.0	≤ 2.5 to ≤ 0.5
G9912-0200	10 – 200 µl	1.0 µl	± 3.0 to ± 0.6	≤ 1.0 to ≤ 0.15
G9912-1200	100 – 1200 µl	1.0 µl	± 3.0 to ± 0.5	≤ 0.8 to ≤ 0.2

*Maximum Systematic Error (ISO 8655). **Maximum Random Error (ISO 8655).
NOTE: Lowest testing on 0.5-10 µl pipettes is at 1 µl, not 0.5 µl

All pipettes are supplied with one Li-ion battery, an AC-DC power supply, and a self-adhesive pipette holder.

Features

- Easy to use
- Lightweight, ergonomic design
- Excellent accuracy and precision
- Precise volume setting
- Five aspirating/dispensing speeds
- Auto calibration
- Fully motorised piston drive virtually eliminates pipetting force
- Auto memory of last-used pipetting protocol/settings
- Store up to nine sets of operating parameters for instant recall
- Autoclavable lower manifold
- Long lasting, rechargeable Li-ion battery that lasts for up to 40 hours of normal use
- Can be recharged during use
- Shelf pipette holder included with every pipette

Accessories	
Cat. No.	Description
G9999-0006	Li-ion Battery for StarPet E
G9999-0003	Acrylic stand (holds up to 3 pipettes)

DEMO MODELS TRY before you BUY available on request

G9999-0003 Acrylic Stand

Image for illustrative purposes only. Pipettes not supplied.

StarPet Pro (Cordless Controller)

StarPet PRO

StarPet Pro Cordless Controller

The StarPet Pro is a lightweight, cordless pipetting aid for use with all plastic or glass pipettes from 1.0 ml to 100 ml. Constructed from recyclable materials, the StarPet Pro operates on two rechargeable, long-life environmentally-friendly 1.2 V nickel metal hydride batteries.

Features

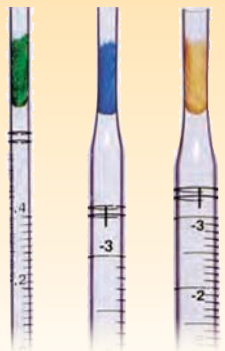
- Two aspirate and dispense speeds
- Gravity dispense mode designed for use with 'To Deliver' (TD) pipettes
- Fast! Fills a 25 ml pipette in under 3 seconds!
- Autoclavable and replaceable silicone pipette holder
- 4 hours continuous use from a fully-charged battery
- 'Low Battery' indicator light
- Ready for use at any time – can be recharged during use!

StarPet Pro Specifications	
Batteries:	2 x 1.2 V nickel metal hydride
Charger:	75 mAh for 14 hours
Weight:	180 g (without stand/wall bracket)
Filter:	Hydrophobic 0.45 µm or 0.2 µm
Materials:	Case & Nosecone: ASA Pipette Holder: Silicone
Voltage:	100 V – 240 V, 50 – 60 Hz
Supplied with:	Charger, Stand, 1 x 0.2 µm filter, and 1 x 0.45 µm filter ready fitted

Pipette Controllers		
Cat. No.	Description	Pack Size
E4866-1126	StarPet Pro Cordless Pipette Controller	1
E4266-0070	Replacement Charger	1
P2131-0002	ASA Nosecone (White)	1
E4266-0890	0.2 µm Filter (White)	5
E4266-0030	0.45 µm Filter (Blue)	5
E4266-0040	Silicone Pipette Holder	1

Serological Pipettes

See the range of individually-wrapped, sterile polystyrene pipettes on page 49.



DEMO MODELS TRY before you BUY available on request

The unique stand can be used on the bench or mounted on a wall.

StarPet Safety Filler (Manual)

Supplied with four different colour pipette cones to aid safety colour-coding

StarPet Safety Filler

- Use with all plastic or glass pipettes, 1.0 ml to 100 ml
- Robust, lightweight and easy to use
- Simple thumb button operation
- Autoclavable and replaceable silicone pipette holder
- Easily maintained, simply clean with a damp cloth
- Supplied with a 0.45 µm filter and four different colour pipette cones (white, pink, violet, green) to aid safety colour-coding

StarPet Safety Filler		
Cat. No.	Description	Pack Size
E4866-1000	StarPet Safety Filler	1
E4266-0890	0.2 µm Filter (White)	5
E4266-0030	0.45 µm Filter (Blue)	5
E4266-0040	Silicone Pipette Holder	1

StarPet Filler (Manual)

StarPet Filler

- Use with all plastic or glass pipettes, 1.0 ml to 25 ml
- Exceptionally smooth operation
- Two dispense resolutions for maximum accuracy: one delivers fast filling with optimal accuracy for 10 ml to 25 ml pipettes; the other is for use with 1.0 ml to 10 ml pipettes where accuracy can sometimes be difficult to control
- Compatible with Blow-Out, 'To Deliver' (TD) or gravity dispense pipettes
- Autoclavable and replaceable silicone pipette holder

Starpet Filler		
Cat. No.	Description	Pack Size
E4866-2000	StarPet Filler	1
E4266-0040	Silicone Pipette Holder	1

Polystyrene Pipettes

Clearly a quality pipette!

Perfect for use with all popular pipette controllers, including STARLAB's own range (see pages 47–48), these serological pipettes are made from crystal polystyrene with a seamless construction to eliminate hangup and provide more accuracy.

Available sterile and individually-wrapped, these high quality pipettes feature exclusive colour coded plugs that conform to the international standard.

Serological Pipettes (Sterile)		
Cat. No.	Description	Pack Size
E4860-0111	1.0 ml Serological Pipette, Yellow Filter,(Sterile), Ind. Wrapped	500
E4860-0211	2.0 ml Serological Pipette, Green Filter (Sterile), Ind. Wrapped	500
E4860-0511	5.0 ml Serological Pipette, Blue Filter (Sterile), Ind. Wrapped	250
E4860-1011	10 ml Serological Pipette, Orange Filter (Sterile), Ind. Wrapped	200
E4860-2511	25 ml Serological Pipette, Red Filter (Sterile), Ind. Wrapped	100
E4860-5012	50 ml Serological Pipette, Violet Filter (Sterile), Ind. Wrapped	100

Specifications				
Pipette Volume	Plug Colour*	Increments	Extra Graduations	Total Volume
1.0 ml	Yellow	0.01 ml	0.3 ml	1.3 ml
2.0 ml	Green	0.02 ml	0.4 ml	2.4 ml
5.0 ml	Blue	0.1 ml	3.0 ml	8.0 ml
10 ml	Orange	0.1 ml	3.0 ml	13.0 ml
25 ml	Red	0.2 ml	2.6 ml	27.6 ml
50 ml	Violet	0.5 ml	10.0 ml	60.0 ml

Features

- Accuracy >98 %
- Sterile pipettes with colour-coded plugs for ease of selection
- Crisp, black, raised permanent graduations
- Ascending and descending graduations on pipettes 5 ml and over
- ISO 9001:2008 manufactured
- Certified non-cytoxic, non-haemolytic and pyrogen free

New, improved packaging

- Closable, Stackable, Space-Saving
- Colour coded
- Clearly visible bar codes
- Lot No. on every individual pipette

Traceable packs: Individually wrapped in fibre-free paper/plastic peel back packs, showing the Lot. No

RepeatOne® Dispenser

Rapid dispensing!

RepeatOne® is a hand-held device for repetitive and rapid dispensing of volumes 10 µl to 5 ml. Up to 48 pipettings of the same sample can be made without refilling, resulting in a considerable reduction in time and expense.

RepeatOne® allows the selection of five separate volumes from each TipOne® Repeat Dispenser Tip.

DEMO MODELS TRY before you BUY available on request

RepeatOne

Features

- Up to 48 dispenses from the same sample
- Locking clamp holds the dispenser tip securely in place
- Conforms to EN ISO 8655 Piston-Operated Volumetric Apparatus
- Conforms to ASTM E1154-89 (2003) Standard Specification for Piston or Plunger Operated Volumetric Apparatus
- Conforms to 98/79/EEC In Vitro Diagnostic Medical Devices
- 2-year warranty

RepeatOne® Dispenser		
Cat. No.	Description	Pack Size
S4026-1500	RepeatOne® Dispenser (incl. Adapter for 25 ml and 50 ml Dispenser Tips)	1
S4026-1525	Replacement Adapter for for 25 ml and 50 ml Dispenser Tips	1

Technical Data

TipOne® Repeat Size	Dispensing Volume			Systematic Error (Inaccuracy)			Random Error (Imprecision; CV)		
	Min.		Max.	Min.		Max.	Min.		Max.
0.5 ml	10 µl	30 µl	50 µl	±2.0 %	±1.0 %	±1.0 %	±2.0 %	±1.0 %	±0.8 %
1.25 ml	25 µl	75 µl	125 µl	±0.9 %	±0.9 %	±0.9 %	±0.9 %	±0.7 %	±0.6 %
2.5 ml	50 µl	150 µl	250 µl	±0.7 %	±0.7 %	±0.7 %	±0.9 %	±0.7 %	±0.6 %
5 ml	100 µl	300 µl	500 µl	±0.6 %	±0.6 %	±0.6 %	±0.6 %	±0.5 %	±0.3 %
12.5 ml	250 µl	750 µl	1250 µl	±0.5 %	±0.5 %	±0.5 %	±0.6 %	±0.5 %	±0.3 %
25 ml	500 µl	1500 µl	2500 µl	±0.4 %	±0.4 %	±0.4 %	±0.6 %	±0.4 %	±0.25 %
50 ml	1000 µl	3000 µl	5000 µl	±0.3 %	±0.3 %	±0.3 %	±0.5 %	±0.4 %	±0.25 %

Dispenser Tips

See page 22 for ordering details of STARLAB's TipOne® Repeat Dispenser Tips.

Compatibility

The RepeatOne® dispenser can be used with the following dispenser tips:

- STARLAB TipOne® Repeat Dispenser Tips, see page 22
- Brand®
- Eppendorf®
- Gilson®
- HTL®
- Ritter®

Test conditions in accordance with EN ISO 8655

Liquid:	Water bi-distilled, degassed.
Test Temperature:	20–25 °C, ±0.5 °C constant (Data for TipOne® Repeat 0.5 ml, 1.25 ml and 2.5 ml are determined with attached 200 µl pipette tip).
Operating Temperature:	+4 °C to +40 °C.
Measurement:	Performed with original TipOne® Repeat dispenser tips in accordance with EN ISO 8655

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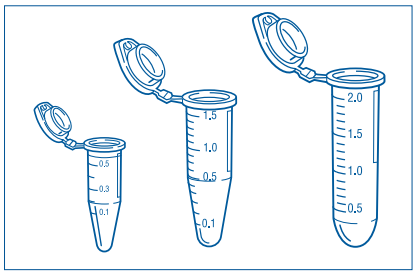
Microcentrifuge Tubes

Certified RNase, DNase, DNA and Pyrogen free

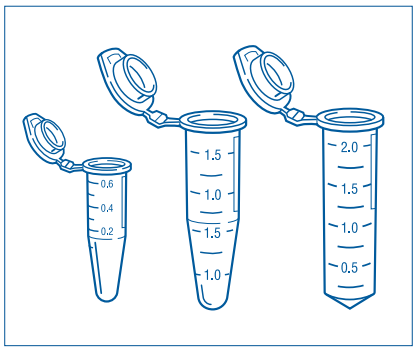
TubeOne® Tubes



- Secure sealing during boiling, freezing or centrifuging
- Easy to open
- Frosted writing surface
- Optically clear without compromising structural integrity
- Conservatively rated to 20,000 g, but will perform to higher specifications under optimal conditions
- Supplied in resealable bags
- Autoclavable

TubeOne® Microcentrifuge Tubes			
Cat. No.	Description / Tube Colour	Sterile	Pack Size
S1605-0000	0.5 ml TubeOne® Microcentrifuge Tube, Natural	No	5 x 200
S1605-0099	0.5 ml TubeOne® Microcentrifuge Tube, Mixed	No	5 x 200
S1615-5500	1.5 ml TubeOne® Microcentrifuge Tube, Natural	No	500
S1615-5550	1.5 ml TubeOne® Microcentrifuge Tube, Natural	No	5 x 100
S1615-5510	1.5 ml TubeOne® Microcentrifuge Tube, Natural	Yes	5 x 100
S1615-5599	1.5 ml TubeOne® Microcentrifuge Tube, Mixed	No	5 x 100
S1620-2700	2.0 ml TubeOne® Microcentrifuge Tube, Natural	No	500
S1620-2799	2.0 ml TubeOne® Microcentrifuge Tube, Mixed	No	5 x 100

Mixed Packs contain: Blue, Green, Red, Violet and Yellow Tubes.



'Crystal Clear' tubes for the ultimate in sample visibility

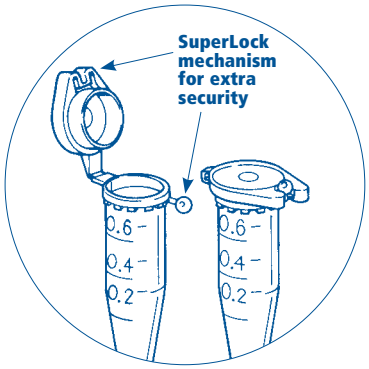
The difference is clear!

- 'Crystal Clear' polypropylene tubes for the ultimate in sample visibility
- Ultra smooth tube bottoms for 100 % visibility
- Frosted writing surface
- Autoclavable
- Thin cap membrane for easy sample access with a syringe needle
- Rated at 14,000–20,000 g
- Certified RNase, DNase and Pyrogen free

'Crystal Clear' Microcentrifuge Tubes			
Cat. No.	Description	Sterile	Pack Size
E1405-0600	0.6 ml Crystal Clear Microcentriruge Tube	No	2 x 500
E1405-0610	0.6 ml Crystal Clear Microcentriruge Tube	Yes	5 x 100
E1415-1500	1.5 ml Crystal Clear Microcentriruge Tube	No	500
E1415-1510	1.5 ml Crystal Clear Microcentriruge Tube	Yes	5 x 50
E1420-2000	2.0 ml Crystal Clear Microcentriruge Tube	No	500
E1420-2010	2.0 ml Crystal Clear Microcentriruge Tube	Yes	5 x 50

NOTE: Due to the sterilisation process, sterile tubes are not as clear as the non-sterile tubes.

Microcentrifuge Tubes



Super Safe, SuperLock

- Locking tubes for the highest security
- Pierceable cap and frosted writing area
- Rated at 17,000 g
- Certified RNase, DNase, DNA and Pyrogen free

Locking Microcentrifuge Tubes			
Cat. No.	Description	Sterile	Pack Size
E1405-5100	0.5 ml Superlock Microcentrifuge Tube, Natural	No	1000
I 1415-5100	1.5 ml Superlock Microcentrifuge Tube, Natural	No	5 x 100
E1420-5100	2.0 ml Superlock Microcentrifuge Tube, Natural	No	500
E1420-5108	2.0 ml Superlock Microcentrifuge Tube, Mixed	No	500

Mixed pack contains: blue, green, red, yellow, orange and violet.

Microcentrifuge Tube Accessories

- Reusable cap locks to securely seal tubes for rigorous boiling/freezing
- Assorted colours for easier sample identification
- Compatible with most microcentrifuge tubes

Cap Locks		
Cat. No.	Description	Pack Size
E1405-9000	Cap Lock for 0.5 ml MCT's	100
I 1415-1508	Cap Lock for 1.5/2.0 ml MCT's	100

- For use with all microcentrifuge tubes, 0.5 ml to 2.0 ml
- Also aids the safe opening of glass ampules

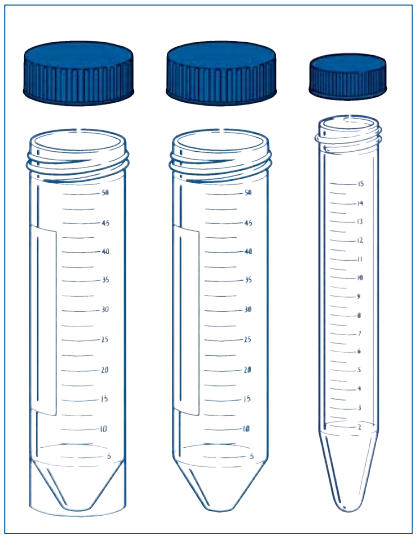
Microtube Openers		
Cat. No.	Description	Pack Size
I 1400-1008	Microtube Opener	100

All Cap Locks, Microtube Openers and Microtube Pestles are provided in mixed packs: blue, green, orange, red, pink and yellow

- Disposable polypropylene pestles
- Ideal for homogenising cells or resuspending DNA or protein pellets
- Certified RNase, DNase and DNA free

Microtube Pestles		
Cat. No.	Description	Pack Size
I 1405-4390	Pestles for 0.5 ml Tube	10
I 1415-5390	Pestles for 1.5/2.0 ml Tubes	10

15 ml & 50 ml Centrifuge Tubes



Don't get in a spin! Use STARLAB centrifuge tubes!

- Clear polypropylene tubes with blue HDPE (High-Density Polyethylene) screw caps
- Clearly marked graduations
- White writing surface
- Sterile
- Centrifugation rates (swing bucket / fixed angle rotors): 4,000 / 15,000 x g (15 ml) 3,200 / 9,500 x g (50 ml) 2,800 / 11,500 x g (50 ml skirted)
- Certified RNase, DNase, DNA and pyrogen free

Centrifuge Tubes		
Cat. No.	Description	Pack Size
	15 ml Centrifuge Tubes	
E1415-0200	15 ml Centrifuge Tube, Conical, Loose (Sterile)	10 x 50-Tube Bags
E1415-0800	15 ml Centrifuge Tube, Conical, Racked (Sterile)	10 x 50-Tube Racks
	50 ml Centrifuge Tubes	
E1450-0200	50 ml Centrifuge Tube, Conical, Loose (Sterile)	10 x 50-Tube Bags
E1450-0800	50 ml Centrifuge Tube, Conical, Racked (Sterile)	20 x 25-Tube Racks
E1450-0500	50 ml Centrifuge Tube, Skirted, Loose (Sterile)	10 x 50-Tube Bags

Dimensions incl. cap (HxØ): 15 ml: 120.5 x 22 mm. 50 ml: 115.5 x 34.9 mm. 50 ml skirted: 116.5 x 34.9 mm.

FREE SAMPLE TRY before you BUY available on request

Culture Tubes

Polypropylene or Polystyrene

- 14 ml sterile culture tubes
- Polypropylene or polystyrene
- Dual position natural caps, which can be left loose for aerobic work or sealed for anaerobic cultures
- Graduations in 0.25 ml increments

Culture Tubes		
Cat. No.	Description	Pack Size
I 1485-0810	Polypropylene Culture Tube with Cap (Sterile)	20 x 25-Tube Bags
I 1485-2810	Polystyrene Culture Tube with Cap (Sterile)	20 x 25-Tube Bags

Dimensions (HxØ): 100 x 23 mm (incl. Cap).

Microtubes in Rack

Non-sterile product certified RNase and DNase free
Sterile product certified RNase, DNase,
DNA and Pyrogen free

Microtubes in Rack with Removable Base

A heavy-duty rack with the same footprint as a standard plate, containing 96 individual 1.2 ml tubes. Each tube is fully supported at the base to withstand the pressures applied by robotic systems. The base of the rack can be easily removed for waterbath applications. Moulded reference grid on lid. Suitable for use in temperatures down to -80 °C.

1.2ml Microtubes in Rack		
Cat. No.	Description	Pack Size
I 1412-7400	1.2 ml Microtubes in Rack	10
I 1412-7410	1.2 ml Microtubes in Rack (Sterile)	10
I 1494-1400	8-Strip Caps for 1.2 ml Microtubes	120
I 1494-1410	8-Strip Caps for 1.2 ml Microtubes (Sterile)	120

NOTE: PP tubes and racks are autoclavable, but the PE strip caps can not be autoclaved.

Organised storage!

- SBS footprint and compatible with all robotic applications and multi-channel pipetting
- Ideal for serial dilutions, mixing, storage and harvesting of cells, cell growth assays, DNA screening and long-term storage
- Interchangeable system offering a wide choice of configurations
- Rack has clear, printed matrix and transparent lid

Certified RNase, DNase, DNA and Pyrogen free

Micro-Dilution Tube System		
Cat. No.	Description	Pack Size
	Racks / Individual Tubes	
E1750-0400	1.2 ml Reaction Tubes in Rack (96 Individual Tubes)	10
E1750-0410	1.2 ml Reaction Tubes in Rack (96 Individual Tubes) (Sterile)	10
E1710-0000	1.2 ml Individual Reaction Tubes	1000
	Racks / 8-Strip Tubes	
E1760-8400	1.2 ml Reaction Tubes in Rack (12 x 8-Strip Tubes)	10
E1760-8410	1.2 ml Reaction Tubes in Rack (12 x 8-Strip Tubes) (Sterile)	10
E1720-8000	1.2 ml 8-Strip Reaction Tubes	125
	Racks / 12-Strip Tubes	
E1770-9400	1.2 ml Reaction Tubes in Rack (8 x 12-Strip Tubes)	10
E1770-9410	1.2 ml Reaction Tubes in Rack (8 x 12-Strip Tubes) (Sterile)	10
E1730-9000	1.2 ml 12-Strip Reaction Tubes	80
	Strip Caps	
E1702-8400	8-Strip Caps for 1.2 ml Reaction Tubes	125
E1702-8410	8-Strip Caps for 1.2 ml Reaction Tubes (Sterile)	125
E1703-9400	12-Strip Caps for 1.2 ml Reaction Tubes	80
E1703-9410	12-Strip Caps for 1.2 ml Reaction Tubes (Sterile)	80

NOTE: PP tubes and racks are autoclavable, but the PE strip caps can not be autoclaved.

Screw Cap Microtubes

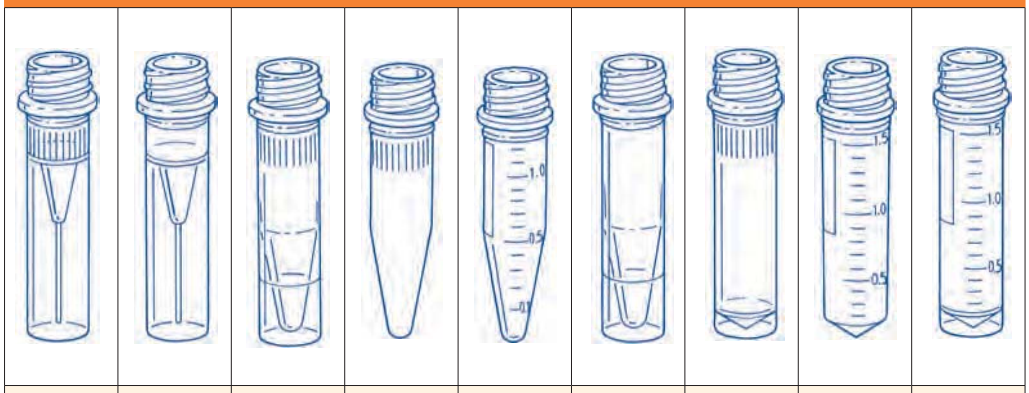
All tubes and caps are certified RNase, DNase, DNA and Pyrogen free

The Certified Range

Transparent, natural polypropylene screw cap microtubes.

CERTIFIED FREE OF DETECTABLE RNase, DNase AND DNA — CERTIFIED — CERTIFIED

The Certified Range of Screw Cap Tubes



Tube Volume:	**0.5 ml**	**0.5 ml**	**1.5 ml**	**1.5 ml**	**1.5 ml**	**1.5 ml**	**2.0 ml**	**2.0 ml**	**2.0 ml**
Tube Style:	Ribbed	Plain	Ribbed	Ribbed	Graduated	Plain	Ribbed	Graduated	Graduated
Tube Base:	Skirted	Skirted	Skirted	Conical	Conical	Skirted	Skirted	Conical	Skirted
TUBES only	E1405-2120 Pack 500	E1405-2140 Pack 500	E1415-2220 Pack 500	E1415-2210 Pack 500	E1415-2230 Pack 500	E1415-2240 Pack 500	E1420-2320 Pack 500	E1420-2330 Pack 500	E1420-2340 Pack 500
TUBES WITH STANDARD CAPS (Sterile) Supplied ready assembled. Sterile tubes available only with natural caps.	n/a	E1405-2141 Pack 5 x 50	n/a	n/a	E1415-2231 Pack 5 x 50	E1415-2241 Pack 5 x 50	n/a	E1420-2331 Pack 5 x 50	E1420-2341 Pack 5 x 50
TUBES WITH TETHERED CAPS (Sterile) Supplied ready assembled. Sterile tubes available only with natural caps.	n/a	E1405-2142 Pack 5 x 50	n/a	n/a	E1415-2232 Pack 5 x 50	E1415-2242 Pack 5 x 50	n/a	E1420-2332 Pack 5 x 50	E1420-2342 Pack 5 x 50

Features

- Three styles of cap available in a variety of colours
- Suitable for many applications from sample storage in the **gas phase of liquid nitrogen,** through boiling to autoclave
- The 'O-ring' seals in standard and tethered caps are made from autoclavable ethylene-propylene and form a seal against the rim of the tube
- The EasyGrip caps are a one-piece construction and have the seal embedded in the cap so the seal will never fall out!
- All tubes and caps are autoclavable
- Sterile tubes supplied in tamper-evident, stand-up resealable pouches
- Rated at 20,000 x g

CAPS only

Standard Caps	Tethered Caps
E1480-01##* Pack 500	E1480-02##* Pack 500

Standard caps and tethered caps are made from PP and have an o-ring made from autoclavable ethylene-propylene, that forms a seal against the rim of the tube.

CAPS only

EasyGrip Caps

E1480-03##* Pack 500

EasyGrip caps have a secure seal moulded from inert TPE integral to the cap. They provide easy opening and closing while the one-piece construction ensures leak-free storage. All caps are made from opaque white polypropylene* with a contrasting coloured seal and grip. *E1480-0300 made from natural PP with a white seal.

***To order Cap Colour required,**

replace ## as last two digits of Cat. No with:

00 Natural	01 Blue	02 Green	03 Orange	04 Red	05 Violet	06 Yellow	07 Amber	08 Black	09 White	99 Mixed

EasyGrip Caps are not available with amber or black contrasting colour.

Cryogenic Storage Vials

New Product Range! Delivery from Spring 2012

The new and improved STARLAB Cryo Vials have been developed for the storage and transportation of biological material.

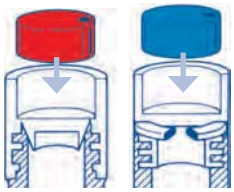
- For storage up to -196 °C; **should only be used in the gas phase of liquid nitrogen**
- Internal threaded tubes with a silicone seal in cap for highest possible impermeability
- Skirted vials which lock into rack (see below) for single-handed work
- White writing area
- Supplied in resealable bags
- Caps can be colour-coded with with cap inserts, available separately

All tubes and caps are sterile and certified RNase, DNase, DNA and Pyrogen free

Cryogenic Storage Vials (Sterile)

Tube Volume:	**1.0 ml**	**1.8 ml**	**1.8 ml**	**3.6 ml**	**3.6 ml**	**4.5 ml**	**4.5 ml**
Tube Style:	Skirted	Conical	Skirted	Conical	Skirted	Conical	Skirted
External Threaded Tube Self-Sealing Cap	E3090-6212 Pack of 500	E3090-6321 Pack of 500	E3090-6222 Pack of 500	–	–	–	E3090-6242 Pack of 300
Internal Threaded Tube Silicone Seal in Cap	E3110-6112 Pack of 500	E3110-6121 Pack of 500	E3110-6122 Pack of 500	E3110-6131 Pack of 400	E3110-6132 Pack of 400	E3110-6141 Pack of 300	E3110-6142 Pack of 300

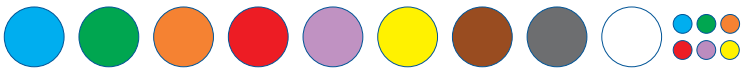
All caps are natural colour, but they can be colour-coded with the optional, coloured cap inserts which fit precisely inside the cryo vial caps.



Coloured Cap Inserts

E1494-60## Pack of 500

To order the colour of Cap Insert required, replace ## as last two digits of Cat. No. with:



01	02	03	04	05	06	07	08	09	99
Blue	Green	Orange	Red	Violet	Yellow	Brown	Grey	White	Mixed

Accessories

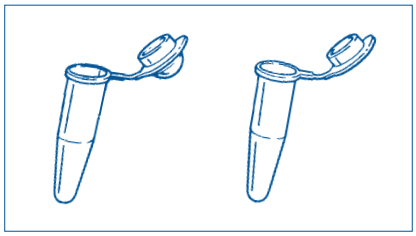
Cat. No.	Description	Pack Size
	50-Place Lock Racks	
E2350-4001	50-Place Lock Rack, Blue	4
E2350-4004	50-Place Lock Rack, Red	4
E2350-4005	50-Place Lock Rack, Violet	4
	Aluminium Cryogenic Storage Canes	
E2005-5000	Storage Canes for 5 x 1.2 / 2.0 ml Cryo Vials	12

See pages 90-91 for our range of Cryogenic storage boxes.

PCR Tubes

Single Tubes

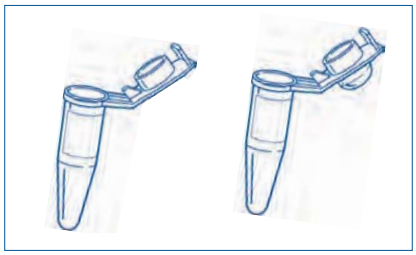
- 0.2 ml and 0.5 ml polypropylene tubes for PCR
- Natural or mixed
- 0.2 ml tube with 'Xtra-Clear' flat cap for qPCR
- 0.5 ml option with pierceable cap
- Positive click on closing gives assurance tubes are fully closed
- Compatible with most thermal cyclers
- Supplied in resealable bags
- Certified RNase, DNase, DNA, PCR Inhibitor and Endotoxin free



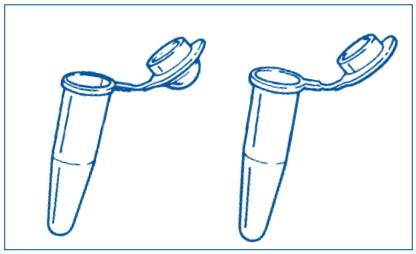
0.2 ml PCR Tubes			
Cat. No	Description	Colour	Pack Size
	Domed Caps		
I 1402-4300	0.2 ml PCR Tube, Domed Cap	Natural	1000
I 1402-4308	0.2 ml PCR Tube, Domed Cap	Mixed	5 x 200
	Flat Caps		
I 1402-8100	0.2 ml PCR Tube, Flat Cap	Natural	1000
I 1402-8108	0.2 ml PCR Tube, Flat Cap	Mixed	5 x 200
I 1402-8200	0.2 ml PCR Tube, Flat Cap (Xtra-Clear)	Natural	1000

Mixed packs contain: blue, green, red, violet and yellow.

These tubes have an integral shield on the cap which prevents accidental finger contamination with the surface of the lid.



0.2 ml PCR Tubes, Shielded Caps			
Cat. No	Description	Colour	Pack Size
	Domed Caps		
S1602-4300	0.2 ml PCR Tube, Domed Shielded Cap	Natural	1000
	Flat Caps		
B1402-5500	0.2 ml PCR Tube, Flat Shielded Cap	Natural	1000



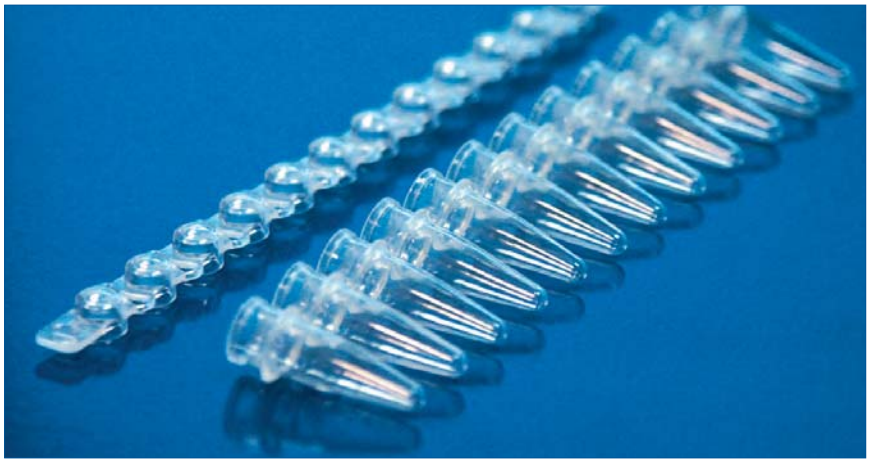
0.5 ml PCR Tubes			
Cat. No	Description	Colour	Pack Size
	Domed Caps		
I 1405-8200	0.5 ml PCR Tube, Domed Cap	Natural	1000
I 1405-8208	0.5 ml PCR Tube, Domed Cap	Mixed	5 x 200
	Flat Caps		
I 1405-8100	0.5 ml PCR Tube, Flat Cap	Natural	1000
I 1405-8108	0.5 ml PCR Tube, Flat Cap	Mixed	5 x 200
B1408-3300	0.5 ml PCR Tube, Flat Piercable Cap	Natural	1000

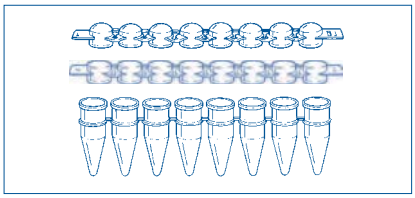
Mixed packs contain: blue, green, red, violet and yellow.

PCR Strips

Strip Tubes and Strip Caps

- Separate polypropylene 8- or 12-tube and cap strips
- Tubes can be easily split into smaller sections by snapping the strips apart
- Perfect Seal domed caps for easier attachment to plates without affecting the seal
- Opaque white 8-strip tubes for qPCR
- 'Xtra-Clear' flat cap strips for qPCR
- Supplied in resealable bags
- Certified RNase, DNase, DNA, PCR Inhibitor and Endotoxin free

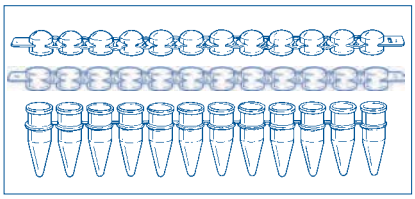




CERTIFIED FREE OF DETECTABLE RNase, DNase, DNA AND PYROGEN
CERTIFIED PCR-QUALITY CERTIFIED

8-Strip Tubes & Caps			
Cat. No	Description	Colour	Pack Size
	Strip Tubes		
I 1402-3500	0.2 ml 8-Strip PCR Tubes	Natural	125
I 1402-3500-C	0.2 ml 8-Strip PCR Tubes	Natural	10 x 125
I 1402-3508	0.2 ml 8-Strip PCR Tubes	Mixed	5 x 25
I 1402-3509	0.2 ml 8-Strip PCR Tubes	White	125
	Strip Caps		
I 1400-0800	8-Strip PCR Caps, Domed	Natural	125
I 1400-0800-C	8-Strip PCR Caps, Domed	Natural	10 x 125
I 1400-0808	8-Strip PCR Caps, Domed	Mixed	5 x 25
I 1400-0810	8-Strip PCR Caps, Domed, Perfect Seal	Natural	125
I 1400-0818	8-Strip PCR Caps, Domed, Perfect Seal	Mixed	5 x 25
I 1400-0900	8-Strip PCR Caps, Flat (Xtra-Clear)	Natural	125

Mixed packs contain: blue, green, red, violet and yellow.



12-Strip Tubes & Caps			
Cat. No	Description	Colour	Pack Size
	Strip Tubes		
I 1402-1200	0.2 ml 12-Strip PCR Tubes	Natural	80
I 1402-1200-C	0.2 ml 12-Strip PCR Tubes	Natural	10 x 80
I 1402-1208	0.2 ml 12-Strip PCR Tubes	Mixed	5 x 16
	Strip Caps		
I 1400-1200	12-Strip PCR Caps, Domed	Natural	80
I 1400-1200-C	12-Strip PCR Caps, Domed	Natural	10 x 80
I 1400-1208	12-Strip PCR Caps, Domed	Mixed	5 x 16
I 1400-1300	12-Strip PCR Caps, Domed, Perfect Seal	Natural	80
I 1400-1308	12-Strip PCR Caps, Domed, Perfect Seal	Mixed	5 x 16
I 1400-1290	12-Strip PCR Caps, Flat (Xtra-Clear)	Natural	80

Mixed packs contain: blue, green, red, violet and yellow.

FREE SAMPLE TRY before you BUY available on request

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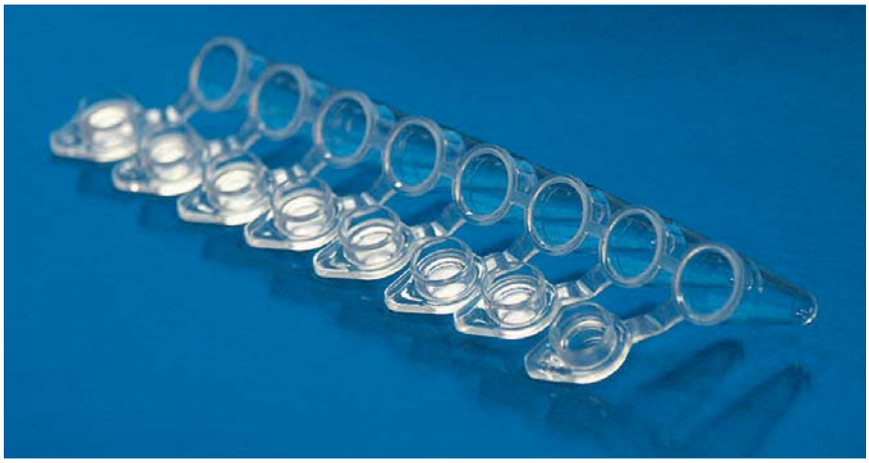
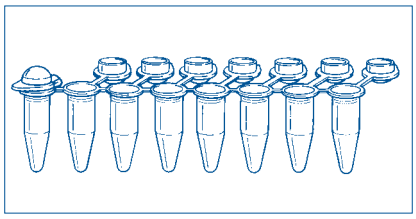
PCR Strips

Tube Strips with Attached Caps

- Polypropylene PCR strips
- Attached caps eliminates the possibility of cross-contamination through accidental tube–cap mix up
- 'Xtra-Clear' flat cap options for qPCR
- Tubes with individually attached caps can easily be split into smaller sections by snapping the strips apart
- Supplied in resealable bags
- Certified RNase, DNase, DNA, PCR Inhibitor and Endotoxin free



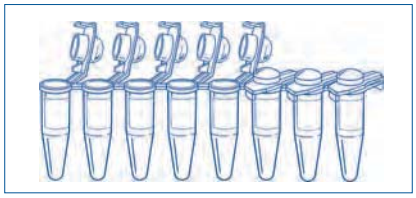


Low-Profile Strips (0.1 ml): 15.24 mm high, for use in cyclers with low-profile capability only.

Standard Strips (0.2 ml): 20.83 mm high, for use in the majority of cyclers.

8-Strip PCR Tubes with Individual Caps			
Cat. No	Description	Colour	Pack Size
	Domed Caps		
I1402-2900	0.2 ml 8-Strip PCR Tubes, Individually Attached Domed Caps	Natural	120
I1402-2908	0.2 ml 8-Strip PCR Tubes, Individually Attached Domed Caps	Mixed	5 x 24
	Xtra-Clear Flat Caps, Low-Profile		
A1402-3800	0.1 ml 8-Strip PCR Tubes, Individually Attached Flat Caps (Xtra-Clear), Low-Profile	Natural	120
	Xtra-Clear Flat Caps		
A1402-3700	0.2 ml 8-Strip PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)	Natural	120
A1402-3700-C	0.2 ml 8-Strip PCR Tubes, Individually Attached Flat Caps (Xtra-Clear)	Natural	10 x 120

Mixed pack contains: blue, green, red, violet and yellow.



8-Strip PCR Tubes with Individual Shielded Caps			
Cat. No	Description	Colour	Pack Size
	Domed Caps		
S1602-2900	0.2 ml 8-Strip PCR Tube, Individually Attached Domed Shielded Caps	Natural	120

White Tubes, Xtra-Clear Caps!

White tubes to maximise reflectance for enhanced signal, combined with Xtra-Clear caps for optimal signal transmission and detection. Ideal for qPCR.

8-Strip PCR Tubes with Attached Strip Caps			
Cat. No	Description	Colour	Pack Size
	Domed Caps		
I1402-2800	0.2 ml 8-Strip PCR Tubes, Attached Domed Cap Strip	Natural	125
I1402-2808	0.2 ml 8-Strip PCR Tubes, Attached Domed Cap Strip	Mixed	5 x 25
	Xtra-Clear Flat Caps		
I1402-2700	0.2 ml 8-Strip PCR Tubes, Attached Flat Cap Strip (Xtra-Clear)	Natural	125
I1409-2700	0.2 ml 8-Strip White PCR Tubes, Attached, Flat Cap Strip (Xtra-Clear)	White / Natural	125

Mixed pack contains: blue, green, red, violet and yellow.

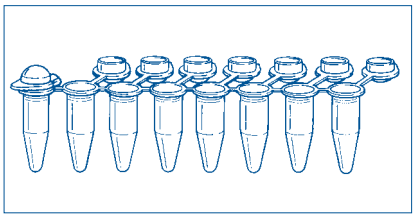
PCR Strips

New!

Stronger strips, easier handling!

These tubes have a robust, triple link between each tube making them less flexible and easier to handle.

Individually attached caps eliminates the possibility of cross-contamination through accidental cap–tube mix ups. Available with natural tubes, white tubes (to maximise reflectance for enhanced signal) or with colour tubes (mixed) for colour coded projects. The strips are available in two heights: standard height (0.2 ml) or low-profile (0.1 ml) for optimum temperature balancing and reduced evaporation..



Low-Profile Strips (0.1 ml): 15.24 mm high, for use in cyclers with low-profile capability only.

Standard Strips (0.2 ml): 20.83 mm high, for use in the majority of cyclers.

- Polypropylene 'non-flex' PCR strips for easier handling
- 'Xtra-Clear' caps for Real-Time PCR
- Supplied in resealable bags
- Certified RNase, DNase, DNA, PCR Inhibitor and Endotoxin free

New!

8-Strip 'Non-Flex' PCR Tubes with Individual Caps			
Cat. No	Description	Colour	Pack Size
	Xtra-Clear Flat Caps, Low-Profile		
I1402-3800	0.1 ml 8-Strip Low-Profile Non-Flex PCR Tubes, Individually Attached Flat Caps (X-Clear)	Natural / Natural	120
I1409-3800	0.1 ml 8-Strip Low-Profile White Non-Flex PCR Tubes, Individually Attached Flat Caps (X-Clear)	White / Natural	120
	Xtra-Clear Flat Caps		
I1402-3700	0.2 ml 8-Strip Non-Flex PCR Tubes, Individually Attached Flat Caps (X-Clear)	Natural / Natural	120
I1402-3708	0.2 ml 8-Strip Non-Flex Gemischt PCR Tubes, Individually Attached Flat Caps (X-Clear)	Mixed / Natural	120
I1409-3700	0.2 ml 8-Strip White Non-Flex PCR Tubes, Individually Attached Flat Caps (X-Clear)	White / Natural	120

Mixed pack contains: blue, green, red, violet and yellow.

FREE SAMPLE TRY before you BUY available on request

New!

Rotor-Gene® Style PCR Strips

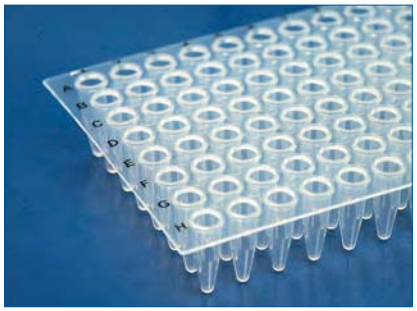
These new, 0.1 ml 4-strip tubes and caps are for use with the Rotor-Gene® Q Real-Time PCR Cycler.

New!

Rotor-Gene® Style Strip Tubes and Caps			
Cat. No	Description	Colour	Pack Size
I1402-0400	0.1 ml 4-Strip Rotor-Gene® Style Tubes and Caps	Natural	250

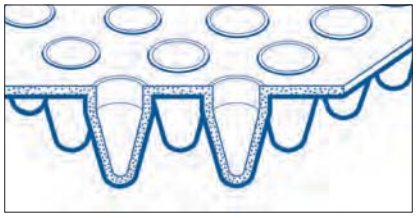
STAR LAB

Non-Skirted PCR Plates



Non-Skirted PCR Plates

- Low profile and standard height
- Opaque black or white available for qPCR
- Non-skirted plates for a universal fit, suitable use in for most thermal cyclers
- Convenient, small pack sizes
- Certified RNase, DNase, DNA, PCR Inhibitor and Endotoxin free



Sealing Options:
All PCR Plates on this page can be sealed with the designated **Sealing Mat** listed in the ordering table for each plate, the **PCR Strip Caps** (page 59), or the **Plate Seals** suitable for PCR (page 71).
For an overview of all PCR Plate Sealing Options, see page 68.

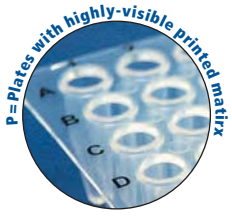
Plate Capacities:
Approximate maximum capacity for all 96-well plates is 350 µl for standard height plates, or 200 µl for low-profile plates.

Non-Skirted PCR Plates					
Cat. No.	Description	Cut Corner	Matrix	Colour	Pack Size
	Low-Profile				
E1403-0200	96-Well PCR Plate, Non-Skirted, Low Profile	H12	P	Natural	20
E1403-0208	96-Well PCR Plate, Non-Skirted, Low Profile	H12	P	Black	20
E1403-0209	96-Well PCR Plate, Non-Skirted, Low Profile	H12	P	White	20
	Standard Height				
E1403-1200	96-Well PCR Plate, Non-Skirted	A12	P	Natural	10
E1403-1200-C	96-Well PCR Plate, Non-Skirted	A12	P	Natural	10 x 10
E1403-1208	96-Well PCR Plate, Non-Skirted	A12	P	Black	10
E1403-1209	96-Well PCR Plate, Non-Skirted	A12	P	White	10
	Sealing Mat				
E1403-0000	Silicone Sealing Mat (Autoclavable)			Natural	5

New! Cuttable PCR Plate

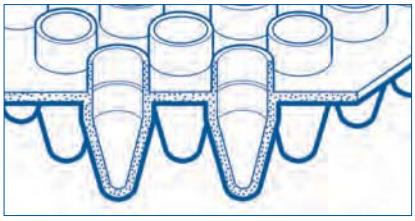
Standard height, non-skirted PCR plate. This plate is more pliable than the non-skirted plates listed above, and can easily be cut into any desired configuration, with normal scissors.

Non-Skirted PCR Plate (Cuttable)					
Cat. No.	Description	Cut Corner	Matrix	Colour	Pack Size
	Standard Height				
E1403-0100	96-Well PCR Plate, Non-Skirted (Cuttable)	A12	P	Natural	10
	Sealing Mat				
E1403-0000	Silicone Sealing Mat (Autoclavable)			Natural	5



Non-Skirted PCR Plates

Non-Skirted PCR Plates with Elevated Wells					
Cat. No.	Description	Cut Corner	Matrix	Colour	Pack Size
E1403-2200	96-Well PCR Plate, Non-Skirted, Elevated Wells	H12	P	Natural	10
E1403-3200	48-Well PCR Plate, Non-Skirted, Elevated Wells		P	Natural	20
E1403-4200	24-Well PCR Plate, Non-Skirted, Elevated Wells		P	Natural	40
Sealing Mat					
E1403-0000	Silicone Sealing Mat (Autoclavable)			Natural	5

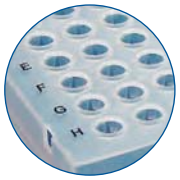


Non-Skirted PCR Plates with Elevated Wells					
Cat. No.	Description	Cut Corner	Matrix	Colour	Pack Size
B1402-9200	96-Well PCR Plate, Non-Skirted, 3 mm Elevated Wells (Robbins® Style)	A1	M	Natural	10
B1494-1005	Cap Mat for 96-Well PCR Plates (Autoclavable)			Blue	5
E1402-9600	96-Well PCR Plate, Non-Skirted, 5 mm Elevated Wells	H1,H12	M	Natural	10
E1402-6789	Silicone Sealing Mat for 96-Well PCR Plates (Pierceable, Autoclavable)		P	Natural	10

Sealing Options:
All PCR Plates on this page can be sealed with the designated **Sealing Mat** listed in the ordering table for each plate, the **PCR Strip Caps** (page 59), or the **Plate Seals** suitable for PCR (page 71).
For an overview of all PCR Plate Sealing Options, see page 68.

Plate Capacities:
Approximate maximum capacity for all standard height 96-well plates is 350 µl.

FREE SAMPLE TRY before you BUY available on request



Matrix key:
P = Printed
M = Moulded

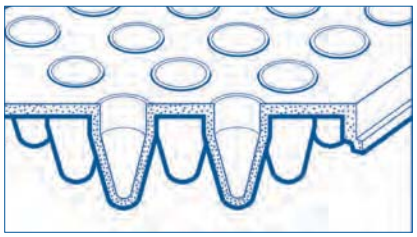
STAR LAB

Semi-Skirted PCR Plates

Semi-Skirted PCR Plates

- Low profile and standard height
- Opaque black or white available in most styles
- Specialist plates (for FAST® Systems, qPCR)
- Convenient, small pack sizes
- Certified RNase, DNase and DNA free

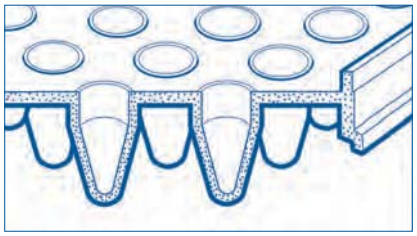
FREE SAMPLE TRY before you BUY available on request



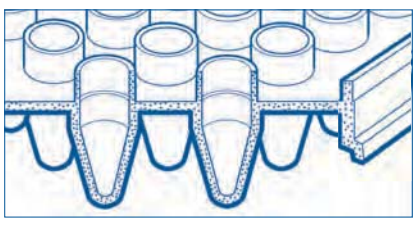
Sealing Options:
All PCR Plates on this page can be sealed with the designated **Sealing Mat** listed in the ordering table for each plate, the **PCR Strip Caps** (page 59), or the **Plate Seals** suitable for PCR (page 71). For an overview of all PCR Plate Sealing Options, see page 68.

Plate Capacities:
Approximate maximum capacity for all 96-well plates is 350 µl for standard height plates, or 200 µl for low-profile plates.

Semi-Skirted PCR Plates					
Cat. No.	Description	Cut Corner	Matrix	Colour	Pack Size
	Low Profile				
E1403-6200	96-Well PCR Plate, Semi-Skirted, Low Profile	A12	P	Natural	10
E1403-6208	96-Well PCR Plate, Semi-Skirted, Low Profile	A12	P	Black	10
E1403-6209	96-Well PCR Plate, Semi-Skirted, Low Profile	A12	P	White	10
	Standard Height				
I1402-9700	96-Well PCR Plate, Semi-Skirted	A12	P	Natural	10
I1402-9700-C	96-Well PCR Plate, Semi-Skirted	A12	P	Natural	10 x 10
I1402-9708	96-Well PCR Plate, Semi-Skirted	A12	P	Black	10
I1402-9709	96-Well PCR Plate, Semi-Skirted	A12	P	White	10
I1402-9800	96-Well PCR Plate, Semi-Skirted, Straight Edges	A12	P	Natural	10
I1402-9809	96-Well PCR Plate, Semi-Skirted, Straight Edges	A12	P	White	10
I1402-9909	96-Well PCR Plate, Semi-Skirted, for Roche® Lightcycler®	H12	P	White	10
	Sealing Mat				
E1403-0000	Silicone Sealing Mat (Autoclavable)			Natural	5

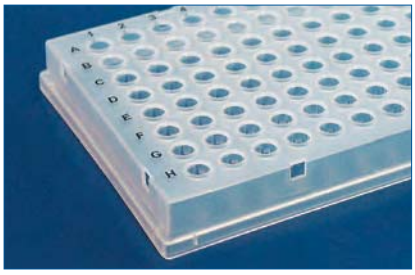


Semi-Skirted PCR Plates with Raised Rim					
Cat. No.	Description	Cut Corner	Matrix	Colour	Pack Size
	TAQMan®-Style Plate				
E1403-8200	96-Well PCR Plate, Semi-Skirted, Raised Rim	A12	P	Natural	10
E1403-8209	96-Well PCR Plate, Semi-Skirted, Raised Rim	A12	P	White	10
	Plate for FAST® Systems				
E1403-7700	96-Well PCR Plate, Semi-Skirted, Raised Rim, Low Profile (for FAST® Systems)	A1	P	Natural	10
E1403-7709	96-Well PCR Plate, Semi-Skirted, Raised Rim, Low Profile (for FAST® Systems)	A1	P	White	10
	Sealing Mat				
E1403-0000	Silicone Sealing Mat (Autoclavable)		P	Natural	5



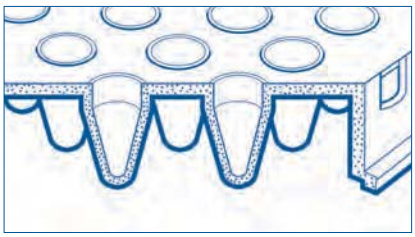
Semi-Skirted Plates with Raised Rim & Elevated Wells					
Cat. No.	Description	Cut Corner	Matrix	Colour	Pack Size
B1402-9400	96-Well PCR Plate, Semi-Skirted, Raised Rim (1 mm Elevated Wells, Perkin Elmer® Style)	A12	M	Natural	10
B1402-9300	96-Well PCR Plate, Semi-Skirted, Raised Rim (3 mm Elevated Wells, Corning® Style)	A1	M	Natural	10
	Sealing Mat				
B1494-1005	Cap Mat for 96-Well PCR Plates (Autoclavable)			Blue	5

Skirted PCR Plates



96-Well Skirted PCR Plates

- Natural, opaque black or white plate available
- Holes on sides for robotics handling
- Highly-visible printed matrix
- Convenient, small pack sizes
- Certified RNase, DNase and DNA free

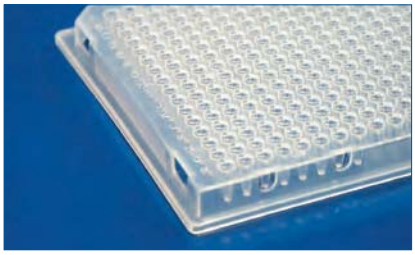


Sealing Options:
All PCR Plates on this page can be sealed with the designated **Sealing Mat** listed in the ordering table for each plate, the **PCR Strip Caps** (page 59), or the **Plate Seals** suitable for PCR (page 71).
For an overview of all PCR Plate Sealing Options, see page 68.

Plate Capacity:
Approximate maximum capacity for all 96-well, low-profile plates is 350 µl.

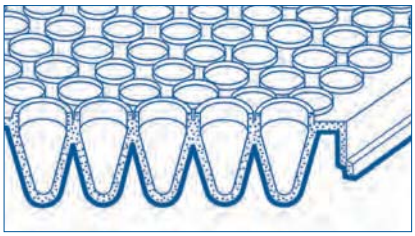
96-Well Skirted PCR Plates					
Cat. No.	Description	Cut Corner	Matrix	Colour	Pack Size
	Low-Profile				
E1403-5200	96-Well PCR Plate, Skirted, Low Profile	A12	P	Natural	10
E1403-5208	96-Well PCR Plate, Skirted, Low Profile	A12	P	Black	10
E1403-5209	96-Well PCR Plate, Skirted, Low Profile	A12	P	White	10
	Sealing Mat				
E1403-0000	Silicone Sealing Mat (Autoclavable)			Natural	5

Matrix: P = Printed, M = Moulded.



384-Well Skirted PCR Plates

- Opaque white plates available for qPCR
- Holes on sides for robotics handling
- Convenient, small pack sizes
- Certified RNase, DNase and DNA free



Sealing Options for 384-Well Plates:
All PCR Plates on this page can be sealed with the designated 384-Well Sealing Mat, or the Plate Seals suitable for PCR (page 71).

For an overview of all PCR Plate Sealing Options, see page 68.

Volumes stated for 384-well plates are the approximate capacity to the brim of the well. Volume would need to be reduced for use with sealing mat.

384-Well Skirted PCR Plates					
Cat. No.	Description	Cut Corner	Matrix	Colour	Pack Size
E1042-3840	384-Well PCR Plate, ABI®/Universal-Style, Skirted	A24	P	Natural	10
E1042-3849	384-Well PCR Plate, ABI®/Universal-Style, Skirted	A24	P	White	10
E1042-9909	384-Well PCR Plate for Roche® Lightcycler®, Skirted	A24, P24	P	White	10
B2323-3840	384-Well PCR Plate, Skirted (35 µl)	A1	M	Natural	10
B2323-3848	384-Well PCR Plate, Skirted (35 µl)	A1	M	Black	10
B2323-3849	384-Well PCR Plate, Skirted (35 µl)	A1	M	White	10
E1042-2500	384-Well PCR Plate, Skirted (40 µl)	A24, P24	M	Natural	10
E1042-3000	384-Well PCR Plate, Skirted (35 µl)	A24	M	Natural	10
	Sealing Mat				
E1042-2350	Silicone Sealing Mat for 384-Well Plates			Natural	10

Matrix: P = Printed, M = Moulded.

PCR Plate–Cycler Compatibility

CERTIFIED FREE OF DETECTABLE RNase, DNase AND DNA
CERTIFIED PCR-QUALITY CERTIFIED

	Non-Skirted Plates (pages 62–63)								Semi-Skirted Plates (page 64)								Skirted Plates (page 65)					
Raised Rim:									✓	✓		✓	✓									
Elevated Wells:	✓	✓	✓	✓				✓	✓	✓												
Low-Profile:						✓					✓	✓					✓					
No. of Wells:	24	48	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	384	384	384	384	384
Cat. No:	E1403-4200	E1403-3200	B1402-9200*	E1402-9600*	E1403-0100	E1403-0200*	E1403-1200*	E1403-2200	B1402-9300	B1402-9400	E1403-6200*	E1403-7700*	E1403-8200*	I1402-9700*	I1402-9800	I1402-9909	E1403-5200*	B2323-3840*	E1042-2500	E1042-3000	E1042-3840*	E1042-9909
APPLIED BIOSYSTEMS®																						
Thermal Cyclers	2700	✓	✓	✓	✓	✓		✓	✓	✓	✓			✓	✓	✓				✓	✓	✓	
	9600	✓	✓	✓	✓	✓		✓	✓	✓	✓			✓	✓	✓							
	9700	✓	✓	✓	✓	✓		✓	✓	✓	✓			✓	✓	✓			✓	✓	✓	✓	
	9800 FAST											✓											
	Veriti 0.1ml											✓											
	Veriti 0.2ml												✓										
	Veriti 384																					✓	
Real-Time Thermal Cyclers	5700					✓		✓					✓	✓	✓								
	PRISM 7000					✓		✓					✓	✓	✓								
	7300					✓		✓			✓		✓	✓									
	7500					✓		✓			✓		✓	✓									
	7500 FAST											✓											
	7700					✓		✓					✓	✓	✓								
	7900 HT										✓		✓	✓						✓	✓		
	7900 HT FAST											✓											
	StepOne Plus											✓											
Sequencers	PRISM 310	✓	✓			✓		✓	✓					✓	✓	✓							
	PRISM 3100	✓	✓		✓	✓		✓	✓					✓	✓	✓					✓		
	3130(XL)	✓	✓		✓	✓		✓	✓					✓	✓	✓					✓		
	3500											✓				✓						✓	
	3700	✓	✓		✓	✓		✓	✓					✓	✓	✓				✓	✓	✓	
	PRISM 3730(XL)	✓	✓		✓	✓		✓	✓					✓	✓	✓					✓		
AMERSHAM®																						
Sequencers	MegaBACE 1000								✓[1]														
	MegaBACE 4000																			✓	✓	✓	
BECKMAN®																						
Sequencers	CEQ					✓		✓															
BIOMETRA®																						
Thermal Cyclers	Uno	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓	✓		✓					
	Uno II	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓	✓				✓	✓	✓	
	T1 Thermocycler	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓	✓	✓		✓			✓	
	Tgradient	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓	✓	✓						
	Trobot	✓	✓		✓	✓	✓	✓	✓						✓	✓	✓		✓	✓	✓	✓	
BIO-RAD®/MJ RESEARCH®																						
Thermal Cyclers	Gene Cycler	✓	✓			✓		✓	✓					✓	✓								
	PTC-100	✓	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓			✓	✓		
	PTC-200	✓	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓	✓		✓	✓		
	PTC 225-Tetrad	✓	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓	✓		✓	✓		
	Dyad / Dyad Disciple	✓	✓		✓	✓	✓	✓	✓							✓	✓			✓	✓		
	iCYCLER	✓	✓	✓	✓	✓		✓	✓	✓						✓	✓	✓					
	Mini Gradient					✓	✓	✓															
	DNA Engine range					✓	✓	✓								✓	✓					✓	
	C1000/S1000					✓	✓	✓								✓	✓					✓	
	MyCycler	✓	✓		✓	✓		✓	✓							✓							
	Personal					✓		✓								✓							
Real-Time Thermal Cyclers	OPTICON / OPTICON 2					✓	✓	✓									✓						
	CFX96					✓											✓						
	CFX384																					✓	
	Chrome 4																✓						
	ICYCLER	✓	✓		✓	✓		✓	✓							✓	✓						
	MyiQ	✓	✓		✓	✓		✓	✓							✓	✓						
	iQ5	✓	✓		✓	✓		✓	✓							✓	✓						
Sequencer	BaseStation																✓						
CORBETT®																						
Thermal Cyclers	PalmCycler 96			✓			✓			✓	✓					✓		✓					
	PalmCycler 384																			✓	✓	✓	

[1] Suitable for use on machines manufactured before July 2000 only.

PCR Plate–Cycler Compatibility

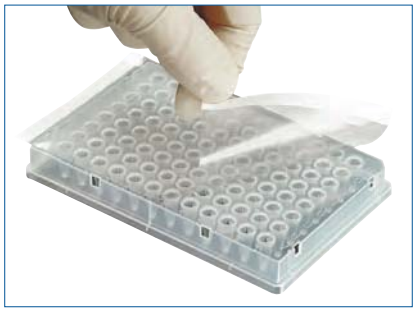
FREE SAMPLE TRY before you BUY available on request

		Non-Skirted Plates (pages 62–63)								Semi-Skirted Plates (page 64)								Skirted Plates (page 65)					
	Raised Rim:									✓	✓		✓	✓									
	Elevated Wells:	✓	✓	✓	✓				✓	✓	✓												
	Low-Profile:						✓					✓	✓					✓					
	No. of Wells:	24	48	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	384	384	384	384	384
	Cat. No:	E1403-4200	E1403-3200	B1402-9200	E1402-9600	E1403-0100	E1403-0200*	E1403-1200*	E1403-2200	B1402-9300	B1402-9400	E1403-6200*	E1403-7700*	E1403-8200*	I1402-9700*	I1402-9800*	I1402-9909	E1403-5200*	B2323-3840*	E1042-2500	E1042-3000	E1042-3840*	E1042-9909
EPPENDORF®																							
Thermal Cyclers	Mastercycler	✓	✓		✓	✓	✓	✓	✓							✓		✓					
	Mastercycler Gradient	✓	✓			✓		✓	✓					✓	✓								
	Mastercycler ep	✓	✓		✓	✓	✓	✓	✓							✓		✓					
	Mastercycler M384																		✓	✓	✓	✓	
Real-Time	Mastercycler ep Realplex															✓		✓					
ERICOM®																							
Thermal Cyclers	Power Block I	✓	✓			✓	✓	✓	✓			✓		✓	✓								
	Delta Cycler I	✓	✓	✓	✓	✓	✓	✓	✓	✓						✓							
	Delta Cycler II	✓	✓	✓		✓	✓	✓	✓	✓		✓		✓	✓								
	Single Block & Twin Block	✓	✓	✓	✓	✓	✓	✓	✓	✓						✓							
ESCO®																							
Therm. Cyc.	Swift	✓	✓			✓		✓	✓							✓						✓	
FLEXI®																							
Thermal Cyclers	Gene	✓	✓		✓	✓		✓	✓							✓		✓		✓	✓	✓	
	Genius	✓	✓		✓	✓		✓	✓							✓		✓					
G-STORM®																							
Thermal Cyclers	GS1 & GS4	✓	✓			✓	✓	✓	✓			✓		✓	✓	✓							
	GSX & GSXs	✓	✓			✓	✓	✓	✓			✓		✓	✓	✓							
MWG®																							
Thermal Cyclers	Primus 96	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓	✓		✓					
	Primus 384																			✓	✓	✓	
ROCHE®																							
Real-Time	LightCycler 480																✓						✓
STRATAGENE®																							
Thermal Cyclers	Robocycler 96				✓	✓		✓								✓							
	Robocycler Gradient	✓	✓			✓	✓	✓	✓			✓		✓	✓	✓		✓					
Real-Time	Mx3000 &	✓	✓			✓	✓	✓	✓			✓		✓	✓								
	Mx4000	✓	✓		✓	✓	✓	✓	✓			✓		✓	✓								
TaKaRa®																							
Thermal Cyclers	TP240																	✓					
	TP3000	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓	✓		✓					
Techne®																							
Thermal Cyclers	Touchgene	✓	✓	✓		✓	✓	✓	✓	✓		✓		✓	✓	✓							
	Cyclogene	✓	✓	✓		✓	✓	✓	✓	✓		✓		✓	✓	✓							
	Genius	✓	✓	✓		✓	✓	✓	✓	✓		✓		✓	✓	✓			✓				
	Genius Quad	✓	✓	✓		✓	✓	✓	✓	✓		✓		✓	✓	✓			✓				
	Genius (TC412)	✓	✓		✓	✓	✓	✓	✓			✓		✓	✓	✓		✓					
	Flexigene	✓	✓			✓	✓	✓	✓			✓		✓	✓	✓		✓				✓	
	Touchgene X					✓	✓	✓						✓		✓		✓		✓	✓	✓	
	Touchgene Gradient (C512)	✓	✓		✓	✓	✓	✓	✓			✓		✓	✓	✓		✓		✓	✓	✓	
Real-Time	Quantica						✓											✓					
THERMO HYBAID®																							
Thermal Cyclers	PCR Sprint	✓	✓			✓	✓	✓	✓			✓		✓	✓	✓		✓					
	MBS Satelite (Multiblock)	✓	✓		✓	✓	✓	✓	✓			✓		✓	✓	✓		✓		✓	✓	✓	
	Px2 & PxE	✓	✓		✓	✓	✓	✓	✓			✓		✓	✓	✓		✓		✓	✓	✓	
	PCR Express	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓	✓		✓	✓	✓	✓	✓	
	Omni E	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓	✓		✓				✓	
	Touchdown	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓	✓		✓		✓	✓	✓	
	Omnigene	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓	✓		✓		✓	✓	✓	
TRANSGENOMIC®																							
Sequencer	WAVE System																	✓					

The individual cycler-plate combinations are intended as a guide only, with no guarantee. Samples of all plates are readily available before purchase to ensure compatibility.
Low-profile and 384-well plates are compatible with their designated thermal blocks only.
STARLAB recognises that the tradenames of all cylers and sequencers in this table belong to their respective owners.

*Cat. No. of natural plate shown only. These plates are also available in opaque black and/or white and will fit the same thermal cyclers.
See the relevant page in this catalogue or our website for ordering details of the non-natural plates.

PCR Plate-Sealing Overview



What are my options?

24-Well Plates:
- 8-Strip Caps

48-Well Plates:
- 8-Strip Caps

96-Well Plates:
- 8-Strip Caps
- 12-Strip Caps
- Sealing Mats for 96-Well Plates
- Plate Seals
  (unless plate has raised wells)

384-Well Plates:
- Sealing Mats for 384-Well Plates
- Plate Seals

8- and 12-Strip Caps

8- and 12-strip caps are manufactured from pure polypropylene, are available flat or domed, and are suitable for use with all 96-well PCR plates. (8-strip caps only can be used on 24- and 48-well plates). Strip caps allow the convenience of unsealing one row of plate wells at a time.

Flat caps enable labelling while domed caps provide the most secure seal when using thermal cyclers with a screw down lid. The 'Perfect Seal' strip caps give easier attachment to plates without affecting the tightness. Use the flat, 'X-Clear' strip caps in Real-Time (qPCR) applications as these exceptionally clear caps allow the fluorescence signal to pass through.

For ordering details, see page 59.

Sealing Mats

Particularly suitable for sealing plates with defined heated-lid contact pressure, silicone mats are very flexible, autoclavable and reusable. The mats can also be cut to meet individual needs. Some mats are piercable to allow access to the sample. Sealing mats are not suitable for real-time applications.

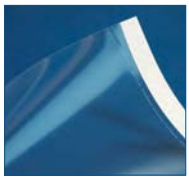
For best results, we recommend using only the dedicated mat for your plate. The recommended sealing mat is listed in the ordering table under each plate on pages 62-65.

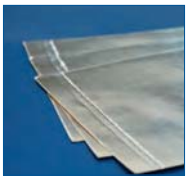
Plate Seals

Plates seals are quick and easy to apply and to remove.

Self-Adhesive:
Three self-adhesive seals offered by STARLAB are suitable for standard PCR (aluminium, clear polypropylene and clear polyolefin). The X-Clear Advanced Polyolefin Seal is suitable for Real-Time PCR and the seal's superior optical clarity yields consistent results.

For an optimum and consistent seal across the whole plate, use the seal applicator or sealing brayer on page 71.





Heat Seals:
All heat seals offered by STARLAB are suitable for PCR; one of them has superior optical clarity and is suitable for Real-Time PCR.

See page 71 for each seal's specifications and ordering details.

Important Note for Real-Time PCR (qPCR)

Please check that both the plate AND the sealing option are suitable for Real-Time PCR applications.

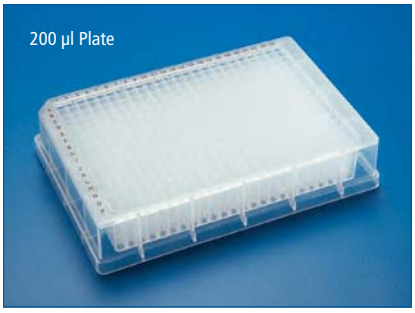
Plates: See the Plate–Cycler Compatibility chart on pages 66-67 to see which plate is suitable for your Real-Time Cycler.

Strip Caps: Use only the 'X-Clear' strip caps on your plates for Real-Time PCR applications.

Plate Seals: Only those seals with superior optical clarity can be used for Real-Time applications. Choose between a self-adhesive seal or a heat seal – see page 71 for details.

Note: Sealing mats are NOT suitable for Real-Time.

PlateOne® Deepwell Plates



Features

- Virgin polypropylene
- Highly visible, printed matrix
- SBS footprint
- Barcoded plates available on request
- Temperature use: -80 °C to autoclave
- Certified RNase, DNase & DNA free. Sterile plates are also Pyrogen free

0.5 ml & 1.0 ml PlateOne Deepwell Plates
0.5 ml Plate height: 27.10 mm
1.0 ml Plate height: 44.10 mm

WELL SHAPE	WELL BOTTOM	CORNER CUT

2.0 ml PlateOne Deepwell Plate
Plate height: 44.10 mm

WELL SHAPE	WELL BOTTOM	CORNER CUT

200 µl PlateOne Deepwell Plate
Plate height: 25.10 mm

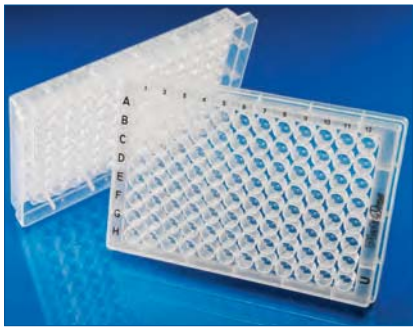
WELL SHAPE	WELL BOTTOM	CORNER CUT

96 Deepwell Plates		
Cat. No.	Description	Pack Size
	0.5 ml, Round Wells, Round Bottom	
S1896-5800	0.5 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms	4 x 8
S1896-5000	0.5 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms (Bulk)	32
S1896-5110	0.5 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms (Sterile), Individually Wrapped	32
B1494-1224	DMSO Resistant Polyolefin Sealing Mat for 96-Well with Round Wells	24
	1.0 ml, Round Wells, Round Bottom	
S1896-1800	1.0 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms	4 x 5
S1896-1000	1.0 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms (Bulk)	20
S1896-1110	1.0 ml PlateOne® 96 Deepwell Plate, Round Wells with Round Bottoms (Sterile), Individually Wrapped	20
B1494-1224	DMSO Resistant Polyolefin Sealing Mat for 96-Well with Round Wells	24
	2.0 ml, Square Wells, V-Shaped Bottom	
S1896-2800	2.0 ml PlateOne® 96 Deepwell Plate, Square Wells with V-Shape Bottoms	4 x 5
S1896-2000	2.0 ml PlateOne® 96 Deepwell Plate, Square Wells with V-Shape Bottoms (Bulk)	20
S1896-2110	2.0 ml PlateOne® 96 Deepwell Plate, Square Wells with V-Shape Bottoms (Sterile), Individually Wrapped	20
B1494-1124	DMSO Resistant Polyolefin Sealing Mat for 96-Well with Square Wells	24
E2896-1801	Piercable Sealing Mat for 96-Well with Square Wells	5

Sealing Options:
All PlateOne® Plates can be sealed with the designated Sealing Mats listed, or with the Plate Seals on page 71.

384 Deepwell Plates		
Cat. No.	Description	Pack Size
	200 µl, SquareWells, V-Shaped Bottom	
S1884-2400	200 µl PlateOne® 384 Deepwell Plate, Square Wells with V-Shape Bottoms	4 x 10
S1884-2000	200 µl PlateOne® 384 Deepwell Plate, Square Wells with V-Shape Bottoms (Bulk)	40
S1884-2410	200 µl PlateOne® 384 Deepwell Plate, Square Wells with V-Shape Bottoms (Sterile), Individually Wrapped	40
B1494-1024	Autoclavable, DMSO Resistant Sealing Mat for 384-Well Plates with Square Wells, Blue	24

PlateOne® Microplates



Well-bottom shape indicator code
on every plate for easy identification

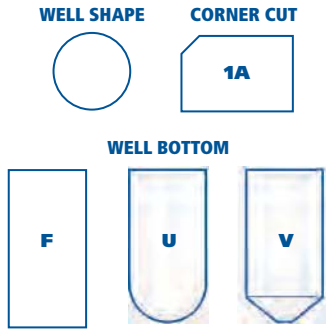
PlateOne® Microplates come in four styles, all with a highly-visible solvent-resistant, alpha-numeric matrix. These high-clarity polypropylene plates offer excellent sample recovery compared to polystyrene plates.

All plates conform to the SBS standard for compatibility with your automated equipment. They are certified free of detectable RNase, DNase and DNA. The sterile plates are also certified non-pyrogenic.

Features

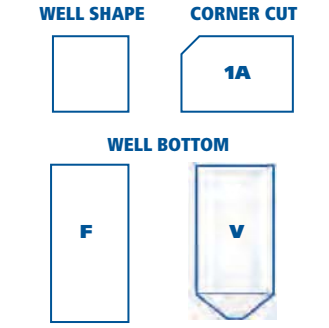
- Virgin polypropylene plates for reduced sample binding compared to polystyrene plates
- High chemical resistence
- Raised wells help prevent cross contamination (96-well plates)
- Highly visible printed, alpha-numeric matrix
- SBS footprint
- Certified RNase, DNase & DNA free. Sterile plates are also Pyrogen free

96-Well Plates
Plate height: 14.40 mm



96-Well Microplates		
Cat. No.	Description	Pack Size
	Flat Bottom (F) Plates, max. Working Volume 370 µl	
S1837-9600	PlateOne® 96-Well Microplate, Round Wells with Flat Bottoms,	4 x 20
S1837-9610	PlateOne® 96-Well Microplate, Round Wells with Flat Bottoms (Sterile)	4 x 20
	Round Bottom (U) Plates, max. Working Volume 320 µl	
S1830-9600	PlateOne® 96-Well Microplate, Round Wells with Round Bottoms	4 x 20
S1830-9610	PlateOne® 96-Well Microplate, Round Wells with Round Bottoms (Sterile)	4 x 20
	Conical Bottom (V) Plates, max. Working Volume 320 µl	
S1833-9600	PlateOne® 96-Well Microplate, Round Wells with Conical Bottoms	4 x 20
S1833-9610	PlateOne® 96-Well Microplate, Round Wells with Conical Bottoms (Sterile)	4 x 20

384-Well Plates
Plate height: 14.40 mm



384-Well Microplates		
Cat. No.	Description	Pack Size
	Flat Bottom (F) Plates, max. Working Volume 140 µl	
S1843-8400	PlateOne® 384-Well Microplate, Square Wells with Flat Bottoms	4 x 20
S1843-8410	PlateOne® 384-Well Microplate, Square Wells with Flat Bottoms (Sterile)	4 x 20
	Conical Bottom (V) Plates, max. Working Volume 125 µl	
S1823-8400	PlateOne® 384-Well Microplate, Square Wells with Conical Bottoms	4 x 20
S1823-8410	PlateOne® 384-Well Microplate, Square Wells with Conical Bottoms (Sterile)	4 x 20

Sealing Films & Foils

	SELF-ADHESIVE							HEAT SEALING			
	Aluminium StarSeal (PCR)	Clear Polyolefin StarSeal (PCR)	Xtra-Clear Advanced Polyolefin StarSeal (qPCR)[1]	Polyester Seal	Polyester Seal (Sterile)	Breathable Film	Breathable Film (Sterile)	Peelable Film (PCR)	Thermo Seal Film (PCR)	Easy Pierce Film (PCR)	Optically Clear Film (qPCR)
Pack Size:	100	100	100	100	100	100	2 x 25	25	25	25	100
Cat. No:	E2796-9792	E2796-9793	E2796-9795	E2796-0794	E2796-0714	E2796-3005	E2796-3015	E2796-3060	E2796-3070	E2796-3090	E2796-3020
Colour	Silver	Clear	Clear	Clear	Clear	Natural	Natural	White	Silver	Silver	Clear
Opaque	✓					✓	✓	✓	✓	✓	
Optically Clear		✓	✓	✓	✓						✓
Superior Optical Clarity			✓								✓
Suitable for PCR	✓	✓	✓					✓	✓	✓	✓
Suitable for Real-Time PCR (qPCR)			✓								✓
Short-Term Storage and Incubation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Easy to Pierce with Needle or Metal Probe	✓								✓	✓	
Easy to Pierce with Pipette Tip	✓								✓	✓	
Low 'Tack to Touch' Adhesive			✓								
Low Auto-Fluorescence		✓	✓								
Resistant to DMSO	✓	✓	✓					✓	✓	✓	✓
Sterile					✓		✓				
Breathable						✓	✓				
Gas Permeable						✓	✓				
Minimum Temp. Use	-70 °C*	-70 °C*	-70 °C*	-40 °C	-40 °C	4 °C	4 °C	-196 °C	-80 °C	-80 °C	-80 °C
Maximum Temp. Use	110 °C*	110 °C*	110 °C*	65 °C	65 °C	40 °C	40 °C	90 °C	120 °C	80 °C	120 °C

*StarSeals have a minimum temperature use specification of -70 °C but they can be used at -80 °C for short-term storage.

[1] **X-Clear Advanced Polyolefin StarSeal**
E2796-9795 has a low tack-to-touch adhesive. This means that it does not feel sticky when handled, making it is easier to handle so the seal sticks to your plate, not your gloves. The adhesive is pressure-sensitive, so it is only once you have correctly positioned the seal on the plate and you then apply pressure that the seal adheres to the plate. Once bonded, the seal strength is unbeatable.

See the STARLAB website for a copy of the Data Sheet detailing the seal's outstanding peformance during qPCR against another leading brand.

Sealing Accessories

Seal Applicator
Polyethylene applicator for use with self-adhesive plate seals
I2928-7355 Pack of 5

Sealing Brayer
Soft rubber roller for use with self-adhesive plate seals
E9127-2940

Parafilm® Sealing Film

Colourless and moisture proof!

A colourless and moisture proof film that moulds to the surface. Stretch film tight to seal beakers, flasks, tubes and petri dishes. Suitable for use in temperatures -45 ° to 50 °C. Easily dispensed from the Parafilm® dispensers listed below.

Parafilm®		
Cat. No.	Description	Pack Size
I 3080-5075	Parafilm® Sealing Film, 50 mm Wide x 75 m Long	1 Roll
I 3080-1075	Parafilm® Sealing Film, 100 mm Wide x 75 m Long	1 Roll

Parafilm® Dispenser

Parafilm® Dispenser

- Safety razor cuts Parafilm® without danger to fingers
- Holds one or two 50 mm wide rolls, or one 100 m wide roll of film
- Made from chemically resistant ABS
- Replacement blades available

Parafilm® Dispenser		
Cat. No.	Description	Pack Size
I 3080-0001	Parafilm® Dispenser, Blue	1
I 3080-0002	Parafilm® Dispenser, Green	1
I 3080-0004	Parafilm® Dispenser, Red	1
I 3080-0500	Replacement Blades for Parafilm® Dispenser	5

Reagent Reservoirs

StarTub PP

These high quality reagent reservoirs are made from autoclavable polypropylene (PP) so they can be reused again and again.

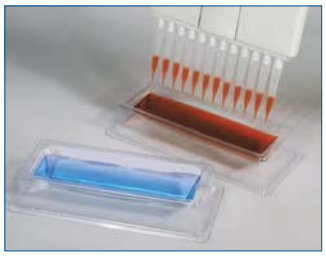
Features

- Sturdy polypropylene
- Autoclavable
- For multiple use
- Capacity: 50 ml to 60 ml

Reusable Reservoir		
Cat. No.	Description	Pack Size
S4026-5806	StarTub Reagent Reservoir (PP)	10

StarTub PVC

- Clear PVC reservoir
- For single use
- Capacity: 55 ml



Disposable PVC Reservoir		
Cat. No.	Description	Pack Size
E2310-1000	StarTub Reagent Reservoir (PVC)	100

StarTub PS

- White polystyrene reservoir
- Sterile, Individually wrapped
- For single use
- Capacity: 55 ml

Disposable PVC Reservoir (steril)		
Cat. No.	Description	Pack Size
E2310-1010	StarTub Reagent Reservoir (PS), (Sterile), Individually Wrapped	50

CAPP® Origami Reservoirs

Made from durable polypropylene, these reservoirs are shipped and stored flat, ready to be flicked into shape. They are designed to the exact thickness to ensure that the reservoir remains standing once it has been folded into shape.

Features

- V-shaped bottom helps prevent bubbles forming in the pipette tips and also helps to avoid waste as more accurate amounts of reagent can be used
- Two capacities: 30 ml and 40 ml

CAPP® Origami Reservoirs		
Cat. No.	Description	Pack Size
E2310-0505	CAPP® Origami Reagent Reservoir, 30 ml	50
E2310-0510	CAPP® Origami Reagent Reservoir, 40 ml	50

Laboratory Labels

StarTags: One label you'll want to stick with!

Pre-cut labels that will accept any form of marker pen and will stick permanently in most conditions. StarTags are suitable for use in the freezer, centrifuge, waterbath, thermal cycler, shaker or vortexer. Laser sheets are available in some options, allowing you to print out large numbers of labels which is both time saving and convenient.

Features:

- Suitable for autoclaving, boiling and freezing down to -85 °C
- StarTags Cryo can be used down to -197 °C
- Sticks permanently to all forms of tubes, plates, vials and bottles
- Leaves no sticky residue once removed

StarTags Laboratory Labels				
Cat. No.	Description	Colour	Pack Type	Labels per Pack
E9185-0509	25 mm diam. Spots	White	Roll	1000
E9185-0159	13 mm diam. Spots	White	Roll	1500
E9185-0001	9.5 mm diam. Spots	Blue	Roll	2000
E9185-0002	9.5 mm diam. Spots	Green	Roll	2000
E9185-0003	9.5 mm diam. Spots	Orange	Roll	2000
E9185-0004	9.5 mm diam. Spots	Red	Roll	2000
E9185-0006	9.5 mm diam. Spots	Yellow	Roll	2000
E9185-0009	9.5 mm diam. Spots	White	Roll	2000
E9189-1009	Extra Large (30 x 40 mm)	White	Roll	500
E9189-2009	Extra Large (30 x 40 mm)	White	A4 Laser Sheets	800
E9187-1009	Large (32.5 x 12.5 mm)	White	Roll	1000
E9187-2016	Large (32.5 x 12.5 mm)	White	A4 Laser Sheets	1980
E9188-1009	Medium (24 x 12.5 mm)	White	Roll	1000
E9185-2240	Medium (24 x 12.5 mm)	White	A4 Laser Sheets	2016
E9188-8699	Small (20 x 6.0 mm)	White	Roll	1000
E9188-7925	Side-On (38 x 6.5 mm)	White	Roll	1000
StarTags Cryo				
E9189-3009	StarTags Cryo (38 x 15 mm)	White	Roll	1000

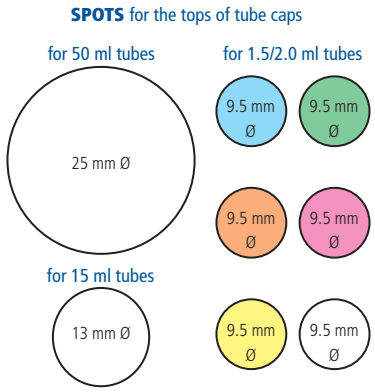
A4 Laser Sheets are supplied with set-up instructions for MS Word and which also be downloaded from the STARLAB website. Sheet labels are only suitable for use with laser printers and can not be used with bubble jet printers.

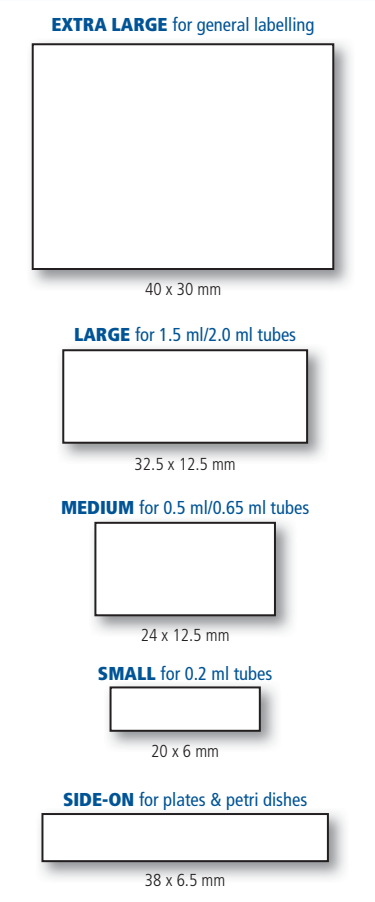
New!

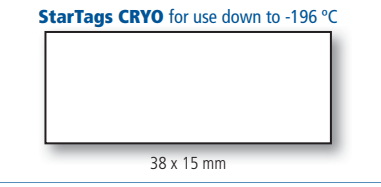
Blue acrylic dispenser that holds up to seven boxes of StarTags. Rubber feet on base prevents slipping.

StarTags Dispenser		
Cat. No.	Description	Pack Size
E9199-0000	StarTags Acrylic Dispenser	1

All labels shown actual size




EXTRA LARGE for general labelling
40 x 30 mm
LARGE for 1.5 ml/2.0 ml tubes
32.5 x 12.5 mm
MEDIUM for 0.5 ml/0.65 ml tubes
24 x 12.5 mm
SMALL for 0.2 ml tubes
20 x 6 mm
SIDE-ON for plates & petri dishes
38 x 6.5 mm



Fine Point Pen	
Cat. No.	Label Size / Dimensions
E9186-9987	Fine Point Pen for use with all StarTags

Laboratory ID Tape

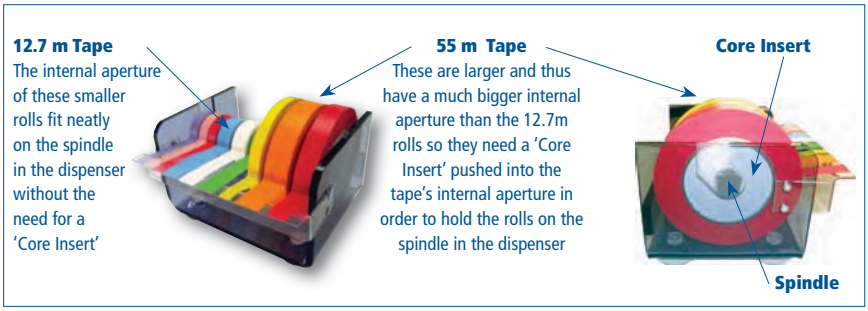
Dispense with disorganisation!

Organise and identify your samples more easily by colour-coding with STARLAB ID Tape. There's plenty to choose from with two different lengths of tape in three different widths, and all in eight different colours.

Dispenser Features

- Custom-made acrylic dispenser which holds both lengths of tape
- Suction feet ensure the dispenser stays firmly on the bench, even when using one hand to dispense the tape
- Core inserts for 55 m long tape available separately

ID Tape Dispenser	
Cat. No.	Description
E9026-0000	ID Tape Dispenser (Pack comprises 1 Dispenser & 5 Core Inserts)
E9026-2005	ID Tape Core Inserts, Pack of 5 (For use with 55 m long tapes)


12.7 m Tape
The internal aperture of these smaller rolls fit neatly on the spindle in the dispenser without the need for a 'Core Insert'
55 m Tape
These are larger and thus have a much bigger internal aperture than the 12.7m rolls so they need a 'Core Insert' pushed into the tape's internal aperture in order to hold the rolls on the spindle in the dispenser
Core Insert
Spindle

ID Tape Features

- Suitable for use in the freezer, the fridge, the incubator and in the autoclave (-20 °C to 121 °C)
- Use on glass, plastic, metal, paper, rubber and any other dry surface
- Oil, water and acid resistant
- Paper-based tape that can be written on with pen, pencil or Lab Marker
- Leaves no adhesive residue when removed
- Available in individual rolls or in economical multi-packs of eight (one of each colour)

		Individual Rolls								8-Pack
Tape Length	Tape Width	Blue	Green	Orange	Red	Violet	Yellow	Pink	White	Mixed
12.7 m	12.7 mm	E9127-1271	E9127-1272	E9127-1273	E9127-1274	E9127-1275	E9127-1276	E9127-1270	E9127-1279	E9127-1278
	19.0 mm	E9127-1911	E9127-1912	E9127-1913	E9127-1914	E9127-1915	E9127-1916	E9127-1910	E9127-1919	E9127-1918
	25.4 mm	E9127-2501	E9127-2502	E9127-2503	E9127-2504	E9127-2505	E9127-2506	E9127-2500	E9127-2509	E9127-2508
55 m*	12.7 mm	E9055-1271	E9055-1272	E9055-1273	E9055-1274	E9055-1275	E9055-1276	E9055-1270	E9055-1279	E9055-1278
	19.0 mm	E9055-1911	E9055-1912	E9055-1913	E9055-1914	E9055-1915	E9055-1916	E9055-1910	E9055-1919	E9055-1918
	25.4 mm	E9055-2501	E9055-2502	E9055-2503	E9055-2504	E9055-2505	E9055-2506	E9055-2500	E9055-2509	E9055-2508

*55 m long tape requires a core insert for use in the STARLAB dispenser.
Mixed packs contain one of each colour.

LabPal™ Label Printer & Labels

Legible lab labels every time!

Portable and easy to use, the Brady® LabPal™ label printer makes identifying samples quick, and more efficient than labelling by hand. The LabPal™ label printer will ensure legible, long-lasting labels that stick, and stay stuck. The labels can withstand extreme laboratory environments such as liquid nitrogen, freezing, hot water baths or autoclaving and will resist most chemicals, including xylene, alcohol, ethanol and DMSO. The exposed edge of the labels means they are easy to peel off the backing tape, even in gloves.

Features

- Smudge-resistant thermal transfer printing
- Pre programmed vial/slide sizes
- Time/date stamp
- Laboratory symbols
- Banner mode for general labelling
- Serialisation feature helps efficiency
- Quick and easy label cartridge loading
- 5 font sizes (range: 7 pt to 28 pt)
- Print up to four lines
- Built-in cutter
- Automatic shut-off helps save batteries

LabPal™ Label Printer	
Cat. No.	Description
N3000-0000	LabPal™ Label Printer
N3000-0002	AC Adaptor (optional)

The printer is supplied with a 9.5 mm B-461 Polyester label cartridge (N3795-4619) ready installed.
The LabPal™ is designed for portability and runs on 6 x AA batteries (not included). Mains electricity can also be used with the optional AC Adaptor available separately.

Printer Specifications	
Print Method:	Thermal Transfer (Durable. Non-Smearing)
Power Source:	6 x AA Batteries (not included) or AC if using the optional adaptor
Agency Approval:	Printer: FCC Class A Approved Labels: UL and CSA Approved
Weight:	0.55 kg (inc. batteries and label cartridge)
Dimensions:	114 x 64 x 229 mm

Specific laboratory symbols

Coloured labels (B-439) for general labelling

Pre-programmed vial sizes (0.6, 1.5 and 2.0 ml)

LabPal™ Label Cartridges				Label Applications								
Cat. No.	Description	Colour	Label Width	Freezer (-80 °C)	Liquid Nitrogen (-196 °C)	Autoclave (121°C)	Hot Water Baths (100°C)	Low-Profile (extremely thin)	Vial Labelling	Slide Labelling	Plate Labelling	General Labelling
N3795-4391	B-439 Vinyl	Blue	9.5 mm	✓							✓	✓
N3795-4392	B-439 Vinyl	Green	9.5 mm	✓							✓	✓
N3795-4393	B-439 Vinyl	Orange	9.5 mm	✓							✓	✓
N3795-4394	B-439 Vinyl	Red	9.5 mm	✓							✓	✓
N3795-4396	B-439 Vinyl	Yellow	9.5 mm	✓							✓	✓
N3795-4399	B-439 Vinyl	White	9.5 mm	✓							✓	✓
N3795-4619	B-461 Polyester[1]	White	9.5 mm	✓	✓	✓	✓	✓	✓		✓	✓
N5127-4619	B-461 Polyester[1]	White	12.7 mm	✓	✓	✓	✓	✓	✓		✓	✓
N7519-4889	B-488 Polyester	White	19.1 mm	✓		✓				✓	✓	✓

[1] B-461 is acceptable for use in liquid nitrogen only if the ends of the label overlap. All labels are 6.4 m long.

LabXpert™ Label Printer

A printer that already knows your printing needs...

The LabXpert™ laboratory labelling system is a powerful yet affordable tool to produce legible, professional looking labels for your samples while drastically reducing the time it actually takes to label.

With thermal transfer printing that does not smear from handling or harsh chemicals, the LabXpert™ completely eliminates the risk of indecipherable labels – you'll never have to question the sample or who did the work ever again!

...and prints perfectly legible labels!

The LabXpert™ produces crisp, clear, legible printing every time – even on the smallest labels with the smallest fonts. Type sizes range from 1 mm up to 32 mm. The innovative 'drop, lock and go' label cartridges are quick and easy to change, so it takes no time at all to switch labelling jobs!

LabXpert™ Label Printer	
Cat. No.	Description
N3000-1000	LabXpert™ Label Printer
N3000-1001	LabXpert™ and Labelmark™ Standard Software

The LabXpert™ printer is supplied with: a cartridge (N0086-4619) ready installed, a PC cable, a CD containing user manual and driver, and an AC power supply.

Connect to even more possibilities!

To really increase efficiency and speed in labelling you can connect your LabXpert™ to your PC and use the optional LabelMark™ Standard or Pro Software to create labels and templates and download database information.

- Database import, automatic text formatting, multi-label data entry view, 2D barcode support
- Easy interface with spreadsheets and many other programs
- Increase your text options with more fonts, symbols & sizes
- Work in an easy 'click and drag' environment

Features

- Pre-sized labels customised to fit vials, tubes, plates and slides
- Auto-serialisation: produce 40 labels in under 2 minutes
- One-touch time and date stamping
- Store and recall frequently used labels
- Thermal transfer printing that doesn't smear from handling or harsh chemicals
- Built-in barcoding
- Over 140 lab-specific Greek, research and safety symbols

Specifications	
Print Method:	Thermal Transfer (Durable. Non-Smearing)
Resolution:	300 dpi
Font Sizes:	13 (from 1 pt to 32 pt)
Keyboard:	QWERTY layout
LCD Screen:	3-line / 16 characters
Max. Label Width:	38.1 mm
Max. Label Length (die-cut):	200 mm
Max. Print Length:	482 mm
Multiple Line Printing:	Yes: maxiumum 23 lines
No. of Characters per Line:	Maximum 50
Print Rotation:	0°, 90°, 180°, 270°
Alignment:	Vertical or Horizontal
Format Text:	Bold, sub and super script
PC Connectivity:	Works with Windows-based Labelmark™ software
Barcoding:	Code 39 and Code 128. 2D barcoding, if connected to PC
Power Source:	6 x AA Batteries (not included) or AC adaptor
Agency Approval:	Printer: FCC Class A Approved Labels: UL and CSA Approved
Weight:	1.11 kg (inc. batteries and label cartridge)
Dimensions:	190.5 x 241.3 x 88.9 mm

LabXpert™ Labels

See page 78 for ordering information and product specifications.

STAR LAB

LabXpert™ Labels

LABEL MATERIALS

B-461 Polyester

Very low profile to prevent vials jamming in centrifuge or racks. Good solvent resistance. Stays put in the harshest conditions. Use in:

- Liquid nitrogen (-196 °C)
- Freezer (-80 °C)
- Hot water bath (100 °C)
- Autoclave (121 °C)

B-499 Nylon

Ideal for general purpose labelling, the permanent adhesive and thicker construction makes this material durable yet easy to handle. Use in:

- Liquid nitrogen (-196 °C) (not on glass)
- Freezer (-80 °C)
- Autoclave (121 °C)

B-488 Polyester

With permanent adhesion, outstanding chemical resistance and write-on capabilities, this material performs in the very harshest lab environments. Use in:

- Freezer (-80 °C)
- Autoclave (121 °C)

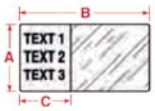
LabXpert™ Label Cartridges

Label Style	Cat. No.	Label Material	Label Type	Colour	Labels per Cartridge	Label Dimensions (mm) A	B	C
1	N0108-4619	B-461 Polyester[1]	Long Tail	White	500	4.75	38.10	17.78
1	N0072-4619	B-461 Polyester[1]	Long Tail	White	225	12.70	44.45	19.05
1	N0074-4619	B-461 Polyester[1]	Long Tail	White	175	12.70	55.88	19.05
1	N0086-4619	B-461 Polyester[1]	Long Tail	White	150	15.24	66.68	25.40
2	N0118-4999	B-499 Nylon	Free Standing	White	350	25.40	9.53	9.53
2	N0117-4999	B-499 Nylon	Free Standing	White	300	25.40	12.70	11.18
3	N0082-4999	B-499 Nylon	Free Standing	White	300	9.53		
3	N0082-4993	B-499 Nylon	Free Standing	Orange	300	9.53		
3	N0082-4996	B-499 Nylon	Free Standing	Yellow	300	9.53		
4	N0119-4619	B-461 Polyester[1]	Long/Short Tail	White	100	38.10	95.25	31.75
4	N0081-4889	B-488 Polyester	Free Standing	White	200	48.26	6.35	
5	N0097-4889	B-488 Polyester	Free Standing	White	400	22.86	22.86	

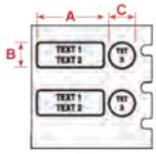
B-461: Label must overlap for use in liquid nitrogen.
[1] Long Tail for 15 ml Tubes / Short Tail for 50 ml Tubes

For Use With	0.2 ml Tubes	0.5 / 0.65 ml Tubes	1.5/2.0 ml Tubes	1–8 ml Tubes	15 ml Tubes	50 ml Tubes	Plates	Slides
	✓							
		✓						
			✓	✓				
			✓	✓				
		✓	✓	✓				
			✓	✓				
			✓					
			✓					
			✓					
					✓	✓		
							✓	
								✓

LABEL STYLE 1

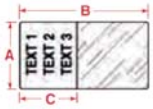


LABEL STYLE 2

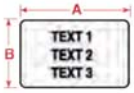


LABEL STYLE 3

LABEL STYLE 4



LABEL STYLE 5



LABEL TYPES

Long Tail

Label wraps around tube and the clear tail extends over the text for additional solvent resistant. Provides a window to view liquid level inside the tube.

Short Tail

Label wraps around tube but the clear tail only overlaps slightly to maintain lowest profile and easier handling. Provides a window to view liquid level inside the tube.

Free Standing

Label does not wrap around to overlap itself. Provides a window to view liquid level inside the tube.

Easy to load cartridge.

Just drop, lock and go!

Sample Storage

STORAGE BOXES & RACKS
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FREEZER RACKING SYSTEMS
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SLIDE STORAGE & STAINING
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Polypropylene Storage Boxes

The StarStore 130 x 130 mm Range for Freezer Storage

This range of StarStore storage boxes all have the same standard 130 x 130 mm footprint. The non-hinged, lift-off lids enable tubes of varying heights to be stored inside. All these boxes are made from rigid polypropylene and are suitable for use in temperatures -90 °C to 121 °C. Autoclavable.

130 x 130 mm Range				
	Description	Rack Colour	Cat. No	Pack Size
StarStore 81 has a printed matrix, but can also be used with the optional acetate grid that sits under the lid	**StarStore 81** polypropylene storage box Fixed 13 mm x 13 mm dividers for the storage of 81 x 1.5/2.0 ml microcentrifuge tubes Transparent lift-off lid with frosted writing panel on side Vent holes in base to aid draining and lid removal Printed reference grid on base Optional, acetate grid placed under the lid Dimensions (WxDxH): 130 x 130 x 45 mm Max. tube height: 60 mm	Natural	I 2381-5040	5
		Black	I 2381-5049	5
		Neon Blue	I 2381-5041	5
		Neon Green	I 2381-5042	5
		Neon Orange	I 2381-5043	5
		Neon Pink	I 2381-5044	5
		Neon Yellow	I 2381-5046	5
		Neon Mixed*	I 2381-5048	5
	81-Place Acetate Grid for use with StarStore 81	n/a	I 2381-1025	25
	StarStore 49 polypropylene storage box Fixed 16 mm x 16 mm dividers for the storage of 49 tubes up to 16 mm diameter Transparent lift-off lid with frosted writing panel on side Vent holes in base to aid draining and lid removal Optional, removable acetate grid placed under the lid Dimensions (WxDxH): 130 x 130 x 46 mm Max. tube height: 60 mm	Natural	E2349-5009	5
	49-Place Acetate Grid for use with StarStore 49	n/a	I 2349-1025	25
	StarStore polypropylene storage box No dividers, to enable the storage of various tube shapes and sizes Transparent lift-off lid Vent holes in base to aid draining and lid removal Dimensions (WxDxH): 130 x 130 x 45 mm	Natural	E2300-5005	5

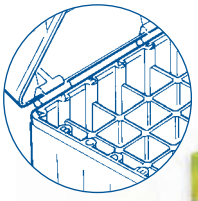
Images for illustrative purposes only. Tubes not supplied.
*Mixed pack contains one of each neon colour.

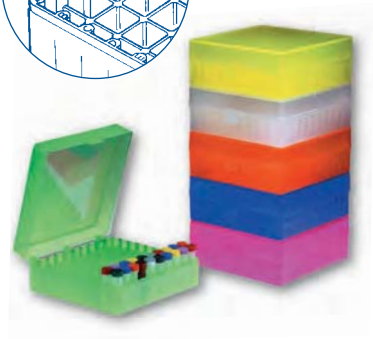
All the 130 x 130 mm boxes on this page can be used in all the Stainless Steel Freezer Racking featured on page 92 or the Aluminum Freezer Racking on page 94.

Polypropylene Storage Boxes

Polypropylene provides high chemical resistance. Temperature use: -90 °C to 121 °C. Autoclavable.

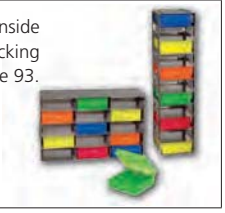
StarStore 100-Place Storage Box





Description	Colour	Cat. No	Pack Size
StarStore 100 polypropylene storage box Our most popular storage box! Fixed 13 x 13 mm dividers for the storage of 100 x 1.5/2.0ml microcentrifuge tubes Moulded reference grid inside (A–J, 1–10) Hinged, lockable lid with positioning lugs for stable stacking Dimensions (WxDxH): 140 x 155 x 55 mm	Natural	I 2310-5800	5
	Neon Blue	I 2310-5841	5
	Neon Green	I 2310-5842	5
	Neon Orange	I 2310-5843	5
	Neon Pink	I 2310-5844	5
	Neon Yellow	I 2310-5846	5
	Neon Mixed*	I 2310-5848	5

StarStore 100 can be used inside the Stainless Steel Freezer Racking System on page 93.



*Mixed pack contains one of each neon colour.

50-Place Storage Boxes

Description	Rack Colour	Cat. No	Pack Size
StarStore 50 Neon (Hinged) polypropylene rack Smaller version of the StarStore 100 (see above) Fixed 13 x 13 mm dividers for the storage of 50 x 1.5/2.0 ml microcentrifuge tubes Moulded reference grid inside (A–J, 1–5) Hinged, lockable lid with positioning lugs for stable stacking Dimensions (WxDxH): 140 x 80 x 55 mm	Natural	I 2350-5800	5
	Neon Blue	I 2350-5841	5
	Neon Green	I 2350-5842	5
	Neon Orange	I 2350-5843	5
	Neon Pink	I 2350-5844	5
	Neon Yellow	I 2350-5846	5
	Mixed Neon*	I 2350-5848	5
StarStore 50 (Stackable) polypropylene rack Fixed 13 x 13 mm dividers for the storage of 50 x 1.5/2.0 ml microcentrifuge tubes Supplied with removable acetate grid placed under the lid Lift-off lid with positioning lugs for stable stacking Dimensions (WxDxH): 144 x 75 x 35 mm Max. tube height: 45 mm	Natural	E2450-5000	5
	Blue	E2450-5001	5
	Green	E2450-5002	5
	Pink	E2450-5004	5
	Yellow	E2450-5006	5
	Mixed**	E2450-5099	5
50-Place Acetate Grid for use with StarStore 50	n/a	I 2350-1025	25
StarStore 50 polypropylene rack Fixed 13 x 13 mm dividers for the storage of 50 x 1.5/2.0 ml microcentrifuge tubes Optional, removable acetate grid placed under the lid Transparent, lift-off lid Dimensions (WxDxH): 146 x 76 x 38 mm	Natural	E2350-5009	5
50-Place Acetate Grid for use with StarStore 50	n/a	I 2350-1025	25
StarStore 50 Jr, small polypropylene rack Fixed 10 x 10 mm dividers for the storage of 50 x 0.5 ml microcentrifuge tubes Lift-off lid with moulded matrix (A–E 1–10) Dimensions (WxDxH): 121 x 62 x 37 mm Max. tube height: 60 mm	Natural	E2305-6009	5

These boxes are supplied with a removable acetate grid placed under the lid.

Can be used with the optional acetate grid placed under the lid.

Images for illustrative purposes only. Tubes not supplied.
*Mixed pack contains one of each neon colour. **Mixed pack contains one of each colour.

Cardboard Storage Boxes

Cardboard Freezer Storage Boxes				
	Description	Box Height	Cat. No	Pack Size
White cardboard boxes with moisture-resistant coating * The 50 mm high boxes can be used in the SS Freezer Racks on page 92. All box heights can be used in the Aluminum Freezer Racks on page 94. All boxes have the same footprint: 135 x 135 mm (incl. lid). Max. tube diam. stated includes tube lid.	**16-Place** cardboard storage boxes, available in 3 heights Removable dividers for tubes up to 31 mm diameter	50 mm	A9023-1616	1
		75 mm	A9025-1616	1
		100 mm	A9027-1616	1
	25-Place cardboard storage boxes, available in 3 heights Removable dividers for tubes up to 24.5 mm diameter	50 mm	A9023-2525	1
		75 mm	A9025-2525	1
		100 mm	A9027-2525	1
	49-Place cardboard storage boxes, available in 3 heights Removable dividers for tubes up to 16.5 mm diameter	50 mm	A9023-4949	1
		75 mm	A9025-4949	1
		100 mm	A9027-4949	1
	81-Place cardboard storage boxes, available in 3 heights Removable dividers for tubes up to 13 mm diameter	50 mm	A9023-8181	1
		75 mm	A9025-8181	1
		100 mm	A9027-8181	1
	100-Place cardboard storage boxes, available in 3 heights Removable dividers for tubes up to 12 mm diameter	50 mm	A9023-3100	1
		75 mm	A9025-3100	1
		100 mm	A9027-3100	1

Cardboard Centrifuge Tube Storage				
	Description	Colour	Cat. No	Pack Size
	Cardboard Storage Boxes for Centrifuge Tubes 36-place for 15 ml tubes 16-place for 50 ml tubes Lift-off lid Removable dividers Moisture resistant coating Dimensions (WxDxH): 145 x 145 x 80 mm Max. tube height: 140 mm	Manilla (for 15 ml)	I 9023-1615	1
		Manilla (for 50 ml)	I 9023-1650	1

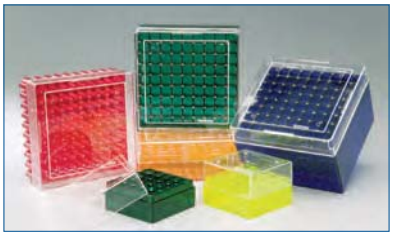
Images for illustrative purposes only. Tubes not supplied.

Cryogenic Storage Boxes

Polycarbonate boxes for ultra-low temperature storage. Temperature use: -196 °C to 121 °C. Autoclavable.

Polycarbonate Cryogenic Storage Boxes				
	Description	Type	Cat. No	Pack Size
Can be used in the SS Freezer Racks on page 92 as well as in the Aluminum Freezer Racks on page 94.	**Cryogenic Storage Boxes** 81-place has grid dividers 100-place has pronged dividers Transparent, keyed (one-way) lift-off lid with printed reference grid Drain holes for venting and safety Dimensions (WxDxH): 130 x 130 x 55 mm	81-place	I 2381-2305	5
		100-place	I 2510-5005	5

Cryogenic Storage Boxes



Coloured Cryogenic Storage Boxes

A range of coloured polycarbonate storage boxes for use in ultra-low temperatures. Boxes can be submerged in LN_2. A choice of different colour bases allows you to colour coordinate your samples for easy identification. All boxes can be used in the Aluminum Freezer Racks on page 94. Temperature use: -196 °C to 121 °C. Autoclavable.

Coloured Polycarbonate Cryogenic Storage Boxes

	Description	Base Colour	Cat. No	Pack Size
	25-Place polycarbonate storage box Coloured base with crystal-clear, lift-off lid Fixed 13 x 13 mm grid dividers Printed matrix on dividers Dimensions (WxDxH): 76 x 76 x 54 mm Max. tube height: 49 mm	Blue	E2381-5001	5
		Green	E2381-5002	5
		Orange	E2381-5003	5
		Red	E2381-5004	5
		Yellow	E2381-5006	5
		Mixed*	E2381-5099	5
	81-Place polycarbonate storage box Coloured base with crystal-clear, lift-off lid Fixed 13 x 13 mm grid dividers Printed matrix on grid dividers Dimensions (WxDxH): 133 x 133 x 54 mm Max. tube height: 49 mm Can be used in the SS Freezer Racks on page 92 or the Aluminium Racks on page 94.	Blue	E2382-5001	5
		Green	E2382-5002	5
		Orange	E2382-5003	5
		Red	E2382-5004	5
		Yellow	E2382-5006	5
		Mixed*	E2382-5099	5
	81-Place, Tall polycarbonate storage box Coloured base with crystal-clear, lift-off lid Fixed 13 x 13 mm grid dividers Printed matrix on grid dividers Dimensions (WxDxH): 133 x 133 x 95 mm Max. tube height: 90 mm	Blue	E2382-6001	5
		Green	E2382-6002	5
		Orange	E2382-6003	5
		Red	E2382-6004	5
		Yellow	E2382-6006	5
		Mixed*	E2382-6099	5
	100-Place polycarbonate storage box Coloured base with crystal-clear, lift-off lid Fixed, 13 x 13 mm pronged dividers Printed matrix on pronged dividers Dimensions (WxDxH): 133 x 133 x 54 mm Max. tube height: 49 mm Can be used in the SS Freezer Racks on page 92 or the Aluminium Racks on page 94.	Blue	E2383-5001	5
		Green	E2383-5002	5
		Orange	E2383-5003	5
		Red	E2383-5004	5
		Yellow	E2383-5006	5
		Mixed*	E2383-5099	5

*Contains one of each colour.

Zylar resin box for ultra-low temperature storage. Temperature use: -196 °C to 121 °C. Autoclavable.

Zylar resin Cryogenic Storage Boxes

	Description	Colour	Cat. No	Pack Size
Can be used in the SS Freezer Racks on page 92 or the Aluminum Freezer Racks on page 94. Image shows box with optional acetate grid.	**StarStore 81Z** zylar resin storage box Fixed 13 x 13 mm dividers Transparent lift-off lid with frosted writing panels on sides Vent strips in base for safety and to aid lid removal Optional removable acetate grid placed under the lid Dimensions (WxDxH): 130 x 130 x 45 mm	Natural	E2301-5309	5
	81-Place Acetate Grid for use with StarStore 81Z	n/a	I 2381-1025	25

Centrifuge Tube Storage

A range of storage solutions specifically for centrifuge tubes.

Centrifuge Tube Storage Boxes

	Description	Colour	Cat. No	Pack Size
	Centrifuge Tube Storage / Transport Boxes Green box holds 36 x 15 ml tubes Blue box holds 16 x 50 ml tubes Clear lift-off lid Highly visible, white printed matrix on base Base can be removed for use in the water bath For use in temperatures -90 °C to 121 °C. Autoclavable Dimensions (WxDxH): 145 x 145 x 127 mm	Green (for 15 ml)	E9025-3615	1
		Blue (for 50 ml)	E9025-1650	1
New!	**Centrifuge Tube Cryo Storage Boxes** Clear polypropylene boxes. One holds 25 x 15 ml tubes, the other holds 2 x 15 ml tubes and 10 x 50 ml tubes Clear lift-off lid For use in temperatures -190 °C to 121 °C. Autoclavable Dimensions (WxDxH): 130 x 130 x 130 mm	Natural (for 25 x 15 ml)	E9025-2515	1
		Natural (for 2 x 15 ml & 10 x 50 ml)	E9025-1550	1
	Cardboard Storage Boxes for Centrifuge Tubes 36-place for 15 ml tubes 16-place for 50 ml tubes Lift-off lid Removable dividers Moisture resistant coating Dimensions (WxDxH): 145 x 145 x 80 mm Max. tube height: 140 mm	Manilla (for 15 ml)	I 9023-1615	1
		Manilla (for 50 ml)	I 9023-1650	1
	Wire Racks for 15 ml or 50 ml Tubes Chemically resistant epoxy coated wire racks Ideal for use with conical tubes 15-place rack for 15 ml tubes (max. tube diameter: 20 mm) Dimensions (WxDxH): 127 x 76 x 176 mm 8-place rack for 50 ml tubes (max. tube diameter: 30 mm) Dimensions (WxDxH): 147 x 80 x 89 mm Both racks are autoclavable	Blue (for 15 ml Tubes)	E2396-1515	1
		Blue (for 50 ml Tubes)	E2396-1550	1
	StarRack Multi for 15 ml or 50 ml Tubes 60-place rack for 15 ml tubes (16 mm holes) 18-place rack for 50 ml tubes (30 mm holes) Made from autoclavable, impact resistant acetal polymer Convenient carrying handles on either end of the rack Ideal for use in the waterbath as they will sink to the bottom without toppling over! Dimensions (WxDxH): 293 x 115 x 65 mm See also page 88 for StarRack Multi for storage of 13 mm tubes.	**60-Place Rack**		
		Blue	E2396-9711	1
		Green	E2396-9712	1
		Orange	E2396-9713	1
		Violet	E2396-9715	1
		Yellow	E2396-9716	1
		18-Place Rack		
		Blue	E2396-9721	1
		Green	E2396-9722	1
		Orange	E2396-9723	1
		Violet	E2396-9725	1
		Yellow	E2396-9726	1

Images for illustrative purposes only. Tubes not supplied.

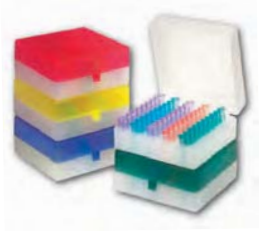
Many of the Multi-Tube Racks featured on pages 86-88 also accommodate centrifuge tubes.

SEE ALSO:
Stainless Steel Freezer Racks for the direct storage of Centrifuge Tubes on page 93.

Storage Boxes & Racks

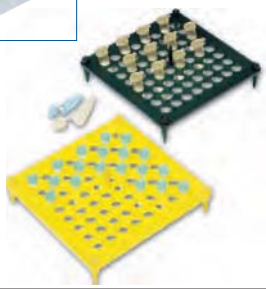
Polypropylene provides high chemical resistance. Temperature use: -90 °C to 121 °C. Autoclavable.

100-Place High-Profile Storage Boxes & Racks



Description	Colour	Cat. No	Pack Size
100-Place polypropylene storage box, ideal for the storage of taller tubes, up to 53 mm high Fixed 12.5 x 12.5 mm dividers Moulded reference grid inside (A–J, 1–10) Hinged lid with positioning lugs for stable stacking Completely black box available for light sensitive samples Dimensions (WxDxH): 140 x 155 x 64 mm	Natural	E2100-5000	5
	Blue	E2100-5001	5
	Green	E2100-5002	5
	Red	E2100-5004	5
	Yellow	E2100-5006	5
	Black*	E2100-5008	5

The 1.5 ml rack can be used as an insert in the boxes above.



Description	Colour	Cat. No	Pack Size
64-Place Tube Rack for 1.5 ml Tubes Polypropylene, for use with 1.5/2.0 ml microcentrifuge tubes Moulded reference grid inside (A–H, 1–8) Stackable Can be used as an insert in the 100-Place box above Dimensions (WxDxH): 135 x 135 x 54 mm	Natural	E2115-5000	5
	Blue	E2115-5001	5
	Green	E2115-5002	5
	Red	E2115-5004	5
	Yellow	E2115-5006	5
64-Place Tube Rack for 0.5 ml Tubes Polypropylene, for use with 0.5 ml microcentrifuge tubes Moulded reference grid inside (A–H, 1–8) Stackable Dimensions (WxDxH): 135 x 135 x 54 mm	Natural	E2105-5000	5
	Blue	E2105-5001	5
	Green	E2105-5002	5
	Red	E2105-5004	5
	Yellow	E2105-5006	5

Images for illustrative purposes only. Tubes not supplied. *Black base and lid

StarRack 80

The StarRack 80 does not have a lid, but an optional storage box is available.

Description	Colour	Cat. No	Pack Size
StarRack 80 polypropylene fraction collection rack Holds 80 x 1.5/2.0 ml tubes Max. tube diam. 11 mm Alpha numeric reference grid (A–E, 1–16) This rack does not have a lid, but it does have an optional storage box into which it fits for extra security during freezer storage Dimensions (WxDxH): 226 x 67 x 28 mm	Natural	E2380-5000	5
	Blue	E2380-5001	5
	Green	E2380-5002	5
	Orange	E2380-5003	5
	Red	E2380-5004	5
	Violet	E2380-5005	5
	Yellow	E2380-5006	5
	Black	E2380-5007	5
	Mixed*	E2380-5008	5
	Neon Blue	E2380-5041	5
	Neon Green	E2380-5042	5
	Neon Orange	E2380-5043	5
	Neon Pink	E2380-5044	5
	Neon Yellow	E2380-5046	5
	Neon Mixed*	E2380-5048	5
StarRack 80 Storage Box Polypropylene storage box for StarRack 80 Transparent, hinged lid with natural or coloured base Dimensions (WxDxH): 236 x 85 x 52 mm	Natural	E2390-5000	5

*Mixed pack contains one each of blue, green, orange, red and yellow. Neon mixed pack contains one of each neon colour.

Multi-Tube Racks

Polypropylene provides high chemical resistance. Temperature use: -90 °C to 121 °C. Autoclavable.

Double-Sided StarRacks

	Description	Colour	Cat. No	Pack Size
Double-Sided!	**StarRack 40** double-sided polypropylene rack with moulded matrix on both sides (A–D, 1–9) Holds: 32 x 0.5 ml tubes AND 8 x 1.5/2.0 ml tubes on one side, 32 x 1.5/2.0 ml tubes AND 8 x 0.5 ml tubes on the other Transparent, lift-off lid Dimensions (WxDxH): 170 x 80 x 28 mm (without lid) 170 x 80 x 50 mm (with lid)	Natural	E2340-4000	1
		Neon Blue	E2340-4041	1
		Neon Green	E2340-4042	1
		Neon Orange	E2340-4043	1
		Neon Pink	E2340-4044	1
		Neon Yellow	E2340-4046	1
		Mixed Neon*	E2340-3099	5
Double-Sided!	**StarRack 64** double-sided polypropylene rack with moulded matrix on both sides (A–H, 1–8) Holds: 64 x 0.5 ml tubes on one side, 64 x 1.5/2.0 ml tubes on the other Transparent, lift-off lid Dimensions (WxDxH): 130 x 130 x 30 mm (without lid), 130 x 130 x 50 mm (with lid) StarRack 64 racks fit inside the Stainless Steel Freezer Racks on page 92 or the Aluminum Freezer Racks on page 94.	Natural	E2364-1010	1
		Blue	E2364-1011	1
		Green	E2364-1012	1
		Orange	E2364-1013	1
		Red	E2364-1014	1
		Violet	E2364-1015	1
		Yellow	E2364-1016	1
		Black	E2364-1018	1
		Mixed*	E2364-6099	5
		Neon Blue	E2364-1041	1
		Neon Green	E2364-1042	1
		Neon Orange	E2364-1043	1
		Neon Pink	E2364-1044	1
		Neon Yellow	E2364-1046	1
		Mixed Neon*	E2364-6048	5
Double-Sided!	**StarRack 96** double-sided polypropylene rack with moulded matrix on both sides (A–H, 1–12) Holds: 96 x 0.5 ml tubes on one side, 96 x 1.5/2.0 ml tubes on the other Transparent, lift-off lid Dimensions (WxDxH): 222 x 114 x 28 mm (without lid), 222 x 120 x 50 mm (with lid)	Natural	E2396-0010	1
		Blue	E2396-0011	1
		Green	E2396-0012	1
		Orange	E2396-0013	1
		Red	E2396-0014	1
		Violet	E2396-0015	1
		Yellow	E2396-0016	1
		Black	E2396-0018	1
		Mixed*	I2396-5099	5
		Neon Blue	E2396-0041	1
		Neon Green	E2396-0042	1
		Neon Orange	E2396-0043	1
		Neon Pink	E2396-0044	1
		Neon Yellow	E2396-0046	1
		Mixed Neon*	I2396-5048	5

*Mixed packs contain one each of blue, green, orange, red and yellow.
Neon Mixed packs contain one of each neon colour.

Multi-Tube Racks

Versatile racking systems. Polypropylene provides high chemical resistance. Temperature use: -90 °C to 121 °C. Autoclavable.

Combi-Racks

	Description	Colour	Cat. No	Pack Size
	Combi-Mini polypropylene rack Each rack contains 80 holes: 4 x 50 ml tubes (30 mm) 12 x 15 ml tubes (17 mm) 32 x 1.5/2.0 ml tubes (12 mm) 32 x 0.5 ml tubes (8 mm) Dimensions (WxDxH): 171 x 91 x 54 mm 	Natural	E2345-1000	1
		Neon Blue	E2345-1041	1
		Neon Green	E2345-1042	1
		Neon Orange	E2345-1043	1
		Neon Pink	E2345-1044	1
		Neon Yellow	E2345-1046	1
		Mixed Neon*	E2345-1099	5
Two slightly different versions available, both designed to hold an array of tubes. 	**Combi-Max 92** polypropylene rack Each rack contains 92 holes: 8 x 50 ml tubes (30 mm) 20 x 20 mm diam. tubes (21 mm) 24 x 15 ml tubes (17 mm) 40 x 12/13 mm diam tubes (13 mm) Dimensions (WxDxH): 198 x 114 x 95 mm	Natural	E2346-1000	1
		Neon Blue	E2346-1041	1
		Neon Green	E2346-1042	1
		Neon Orange	E2346-1043	1
		Neon Pink	E2346-1044	1
		Neon Yellow	E2346-1046	1
		Mixed Neon*	E2346-1099	5
	Combi-Max 96 polypropylene rack Each rack contains 96 holes: 12 x 25 ml tubes (27 mm) 20 x 20 mm diam. tubes (21 mm) 24 x 15 ml tubes (17 mm) 40 x 12/13 mm diam tubes (13 mm) Dimensions (WxDxH): 198 x 114 x 95 mm	Blue	E2347-1001	1
		Green	E2347-1002	1
		Orange	E2347-1003	1
		Red	E2347-1004	1
		Violet	E2347-1005	1
		Mixed*	E2347-1099	5

Images for illustrative purposes only. Tubes not supplied. *Mixed packs contain one of each colour, excluding natural.

TwisStar Rack

	Description	Colour	Cat. No	Pack Size
 	TwisStar polypropylene rack comprising four sections that can be rotated and locked together to achieve various configurations for holding different tubes and a PCR plate Each complete unit (4 colour sections) holds up to: 50 ml tubes (max. 30 mm ø) x 2 per section 15 ml tubes (max. 18 mm ø) x 8 per section 1.5/2.0 ml tubes (max. 11 mm ø) x 12 per section 0.5 ml tubes (max. 8 mm ø) x 6 per section PCR Plate 1 plate across 2 sections 8-Tube PCR strips x 6 per section 12-Tube PCR strips x 8 across 2 sections 0.2 ml PCR tubes x 48 per section Dimensions (WxDxH): 257 x 108 x 108 mm (complete unit) 69 x 108 x 108 mm (each section)	Yellow, Blue, Green & Red	E2344-1099	1

Images for illustrative purposes only. Tubes not supplied.

Totally Tubular™

	Description	Cube Colours	Cat. No	Pack Size
	Totally Tubular™ – four polypropylene racks in a support tray Each cube contains 29 holes for: 2 x 50 ml tubes (30 mm) 6 x 15 ml tubes (17 mm) 9 x 1.5/2.0 ml tubes (12 mm) 12 x 0.5 ml tubes (11 mm) Individual cube dimensions (WxDxH): 93 x 93 x 48 mm	Yellow, Blue, Green & Red	I 2344-1000	1 Tray, 4 Cubes
		Neon Green. Neon Orange Neon Pink Neon Yellow	I 2344-1040	1 Tray, 4 Cubes

Images for illustrative purposes only. Tubes not supplied.

Multi-Tube Racks

Polypropylene provides high chemical resistance. Temperature use: -90 °C to 121 °C. Autoclavable.

Connect-A-Rack

	Description	Colour	Cat. No	Pack Size
	Connect-A-Rack polypropylene double-sided rack Can be connected side by side, or one on top of the other Holds 80 x tubes up to 12 mm diameter on one side 60 x 0.2/0.5 ml tubes on the other Frosted writing area on sides of rack Very small footprint to save valuable bench space Supplied with two removable handles and connecting pins Dimensions (WxDxH): 223 x 67 x 27 mm (without lid) Lid supplied separately	Blue	E2380-6001	5
		Green	E2380-6002	5
		Orange	E2380-6003	5
		Pink	E2380-6004	5
		Yellow	E2380-6006	5
	Transparent Lid for use with Connect-A-Rack	Clear	E2380-6000	5

Images for illustrative purposes only. Tubes not supplied.

Three-Tier Multi-Tube Rack

	Description	Colour	Cat. No	Pack Size
	Three-Tier Multi Tube Rack Polypropylene racks that can be connected side by side Each tier holds a different size tube: Top: 12 x 1.5/2.0 ml tubes Middle: 14 x 0.5 ml tubes Bottom: 24 x 0.2 ml tubes Dimensions (WxDxH): 123 x 164 x 62 mm	Mixed (Pack contains one rack each of Blue, Green, Violet, Yellow, Orange and Natural)	E2313-1009	6

Images for illustrative purposes only. Tubes not supplied.

StarRack Multi

	Description	Colour	Cat. No	Pack Size
	StarRack Multi 84-Place rack, ideal for taller tubes e.g. cryogenic storage vials up to 13 mm diameter Made from autoclavable, impact resistant acetal polymer Convenient carrying handles on either end of the rack Ideal for use in the waterbath as they will sink to the bottom without toppling over! Dimensions (WxDxH): 293 x 115 x 65 mm	Blue	E2396-9701	1
		Green	E2396-9702	1
		Orange	E2396-9703	1
		Violet	E2396-9705	1
		Yellow	E2396-9706	1

NOTE: this rack is not suitable for use with microcentrifuge tubes. See also page 74 for StarRack Multi for storage of centrifuge tubes.
Images for illustrative purposes only. Tubes not supplied.

PCR Sample Racks

StarPCR Work Rack

	Description	Colour	Cat. No	Pack Size
	StarPCR Work Rack Sturdy polypropylene rack for use with: 1 x 96-well PCR plate, or 0.2 ml PCR tubes or strips Positive snap-in transparent lid guarantees safe closure Stackable with or without lid Suitable for use down to -90 °C Dimensions (WxDxH): 138 x 98 x 39 mm (with lid) NOTE: Not autoclavable	Mixed (One rack each of: Blue, Green, Red, Violet and Yellow)	E2396-5240	5

PCR Sample Racks

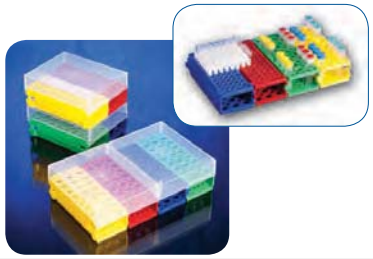
Polypropylene provides high chemical resistance. Temperature use: -90 °C to 121 °C. Autoclavable.

PCR Workstation

	Description	Colour	Cat. No	Pack Size
	PCR Workstation Polypropylene racks for the storage of PCR tubes, PCR strips and PCR plates, as well as 0.5 ml and 1.5/2.0 ml microcentrifuge tubes. Moulded, alpha-numeric matrix. The two different sized racks (Rack A and Rack B) can be combined to form the complete PCR Workstation. Racks can either be purchased separately or together as a complete workstation.			
	Rack A only (Satellite Rack) 96 wells to hold 0.2 ml PCR tubes, PCR strips or 1 x 96-well PCR plate Each rack supplied with transparent, lift-off lid Dimensions (WxDxH): 127 x 87 x 33 mm (with lid)	Neon Blue*	E2396-1641	1
		Neon Green*	E2396-1642	1
		Neon Orange*	E2396-1643	1
		Neon Pink*	E2396-1644	1
		Neon Yellow*	E2396-1646	1
		Mixed Neon**	E2396-9649	5
	Rack B only (Workstation Rack) Holds 32 x 0.2 ml PCR tubes, 16 x 0.5 ml tubes (PCR or MCT), and 24 x 1.5/2.0 ml microcentrifuge tubes Each rack supplied with transparent, lift-off lid Dimensions (WxDxH): 215 x 115 x 50 mm (with lid)	Neon Blue*	E2396-1651	1
		Neon Green*	E2396-1652	1
		Neon Orange*	E2396-1653	1
		Neon Pink*	E2396-1654	1
		Neon Yellow*	E2396-1656	1
		Mixed Neon**	E2396-9659	5
	Racks A & B (Complete Workstation) Rack A (without lid) can be inserted into the designated area of Rack B Supplied with lid for Rack B only	Neon Blue*	E2396-9691	1+1
		Neon Green*	E2396-9692	1+1
		Neon Orange*	E2396-9693	1+1
		Neon Pink*	E2396-9694	1+1
		Neon Yellow*	E2396-9696	1+1
		Mixed Neon***	E2396-9669	5+5

* Pack contains one rack with lid. **Pack contains one rack of each colour and five lids. *** Pack contains five Rack A (one of each colour), five Rack B (one of each colour) and five lids for Rack B.
Images for illustrative purposes only. Tubes not supplied.

PCR Lock-Rack

	Description	Colour	Cat. No	Pack Size
	**PCR Lock-Rack** PP racks which lock together to make larger/smaller racks. Transparent lid fits over two sections locked together. Each section holds 24 x 1.5/2.0 ml tubes, 16 x 0.5 ml tubes and 60 x 0.2 ml tubes. Two sections locked together can hold a 96-Well PCR plate. Dimensions (WxDxH): 133 x 107 x 56 mm (2 sections with lid)	Mixed (contains one section each of blue, green, red, violet, yellow)	E2344-2099	4 Racks, 2 Lids

Images for illustrative purposes only. Tubes not supplied.

Double-Sided PCR Work Rack

	Description	Colour	Cat. No	Pack Size
	Double-Sided PCR Work Rack Double-sided polypropylene rack with transparent (detachable), hinged lid which has: 168 x 0.2 ml wells AND 12 x 1.5 ml wells on one side, and 40 x 0.5 ml wells AND 12 x 1.5 ml wells on the other Dimensions (WxDxH): 206 x 131 x 54 mm	Mixed (contains one each of blue, green, orange pink, yellow)	E2396-0599	5

Images for illustrative purposes only. Tubes not supplied.

Chiller Racks

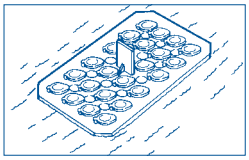
StarChill. High Performance Chiller Racks

Maintain a fridge environment on the benchtop or on your robot! The centre section of StarChill racks changes colour when frozen. It then gradually turns back to its original colour as it warms up, thus giving an instant, visual-indication of the temperature.

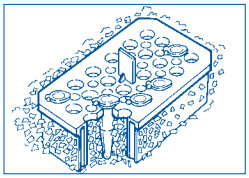
Chiller Racks				
	Description	Colour	Cat. No	Pack Size
	StarChill PCR 96-well rack with lid, for use with: 0.2 ml tubes (single or strip) or 0.2 ml 96-well PCR Plate Temperature colour change: 7 °C Estimated time at 4 °C: 3+ hours* Dimensions (WxDxH): 141 x 99 x 38 mm (without lid) 141 x 99 x 44 mm (with lid)	Pink (warm) Purple (cold)	E2396-2004	2
		Yellow (warm) Green (cold)	E2396-2006	2
	StarChill MCT 24-well rack with lid, for use with: 0.5, 1.5 & 2.0 ml microcentrifuge / screw cap tubes Temperature colour change: 7 °C Estimated time at 4 °C: 3+ hours* Dimensions (WxDxH): 146 x 105 x 65 mm (without lid) 146 x 105 x 70 mm (with lid)	Pink (warm) Purple (cold)	E2396-5634	1
		Yellow (warm) Green (cold)	E2396-5636	1
	StarChill SBS 96-well rack (no lid), for use on AUTOMATED SYSTEMS with: 0.2 ml tubes (single or strip) or 0.2 ml 96-well PCR Plate Temperature colour change: 7 °C Estimated time at 4 °C: 2+ hours* Dimensions (WxDxH): 128 x 85 x 26 mm	Pink (warm) Purple (cold)	E2396-5654	2
		Yellow (warm) Green (cold)	E2396-5656	2

All StarChill racks must be frozen for a minimum of 8 hours at -20 °C before use. Not Autoclavable. *Time will vary, depending on ambient temperature.

Ice Bath / Floating Rack



Used in the waterbath, the rack insert floats with great stability



Or you can pack ice around each tube inside the rack

A versatile rack that can be used as a self-contained ice bath or used in the waterbath. Use the rack in the hinged storage box supplied and pack with ice; or take it out to float in the water bath – the moulded-in buoys give the racks exceptional stability.

- Holds 24 x 1.5/2.0 ml tubes, or 14 x 0.5 ml tubes, or a combination of both
- Temperature use: -80 °C to 121 °C. Autoclavable

Ice Bath / Floating Rack		
Cat. No.	Description	Pack Size
I 2324-5000	Ice Bath / Floating Rack	5

Images for illustrative purposes only. Tubes not supplied. For ordering information for tubes see pages 52-57.

Transport Cases & Coolers

Transport Cases & Coolers				
	Description	Colour	Cat. No	Pack Size
 Protects valuable enzymes from temperature fluctuation due to frost-free cycles, power loss or open freezer doors.	**Benchtop Cooler / Transport Case** Small, polypropylene, case-style holder with ice-gel tube holder insert for 48 x 1.5/2.0 ml tubes Handy note panel inside the lid Maintains temperatures of: -15 °C or lower, for 4 hours if frozen to -20 °C -15 °C or lower, for 6 hours if frozen to -23 °C Dimensions (WxDxH): 215 x 200 x 95 mm Weight 2.5 kg NOTE: Not Autoclavable	Black	I 6348-1515	1
 Protects cells and biologicals stored in -70 °C freezers. Use for added protection when shipping valuable samples on dry ice.	**Cryo Cooler / Transport Case** Small, polypropylene, case-style holder with ice-gel tube holder insert for 42 x 1.5/2.0 ml tubes Handy note panel inside the lid When frozen to -70 °C the Cryo Cooler will take up to 10 hours to raise to a temperature of -10 °C. Dimensions (WxDxH): 215 x 200 x 95 mm Weight 2.5 kg NOTE: Must be frozen to -70 °C for a minimum of 24 hours before use. Not autoclavable	Black	I 6342-4270	1
 Perfect for the transportation of a small number of samples.	**Mini Cooler** Small rack with ice-gel tube holder insert for 8 x 1.5/2.0 ml tubes Hinged, transparent lid with snap-catch Maintains -15 °C or below for up to 1 hour Dimensions (WxDxH): 120 x 85 x 90 mm Weight: 750 g NOTE: Must be frozen to -20 °C for a minimum of 24 hours before use. Not autoclavable	Silver	I 6308-1515	1
 Maintain low-temperature storage of reagents, cells and enzymes removed from the freezer.	**CryoSecure®** Double-sided racks with ice-gel tube insert for use with: 20 x 0.5 ml tubes on one side, or 20 x 1.5/2.0 ml tubes on the other White rack maintains 0 °C for a minimum of 5 hours Blue rack maintains -10 °C to -20 °C for up to 3 hours Dimensions (WxDxH): 172 x 110 x 105 mm with lid NOTE: Not autoclavable	White (0 °C Rack) Blue (-20 °C Rack)	I 2312-2720 I 2312-2721	1 1

Images for illustrative purposes only. Tubes not supplied.

Stainless Steel Freezer Racks

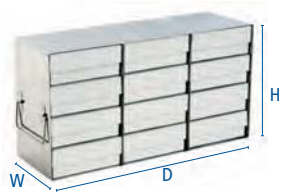
Freezer Racks for 130 x 130 mm Storage Boxes and Racks

These Stainless Steel (SS) racks for upright or chest freezers are designed for use with standard 130 x 130 mm storage boxes and racks.

The following storage boxes and racks in this catalogue are suitable for use with the freezer racks on this page:

- The StarStore 130 x 130 mm range of storage boxes on page 80
- The 50 mm high, white cardboard storage boxes on page 82
- The cryogenic storage boxes specified on pages 82-83
- StarRack 64 on page 86

Measurements for upright freezer racks



I 2602-3400

Racks for upright freezers have a handle on either end.

Upright Freezer Racks for 130 x 130 mm Boxes

Cat. No.	Description	Boxes Deep	Boxes High	Ext. Dimensions (WxDxH)
I 2602-3300	9-Place SS Rack	3	3	140 x 423 x 168 mm
I 2602-3400	12-Place SS Rack	3	4	140 x 423 x 224 mm
I 2602-3500	15-Place SS Rack	3	5	140 x 423 x 279 mm
I 2602-4300	12-Place SS Rack	4	3	140 x 562 x 168 mm
I 2602-4400	16-Place SS Rack	4	4	140 x 562 x 224 mm
I 2602-4500	20-Place SS Rack	4	5	140 x 562 x 279 mm

Suitable for use with the STARLAB boxes listed at the top of the page, or any other box up to (WxDxH): 135 x 135 x 55 mm

I 2632-3400

Racks for upright freezers with pull-out shelves means there is no need to remove the complete racking unit when unloading all or one of the boxes from the freezer.

Upright Freezer Racks with Pull Out Shelves for 130 x 130 mm Boxes

Cat. No.	Description	Boxes Deep	Boxes High	Ext. Dimensions (WxDxH)
I 2632-3300	9-Place SS Rack, Pull Out Shelves	3	3	140 x 421 x 181 mm
I 2632-3400	12-Place SS Rack, Pull Out Shelves	3	4	140 x 421 x 241 mm
I 2632-4400	16-Place SS Rack, Pull Out Shelves	4	4	140 x 558 x 241 mm

Suitable for use with the STARLAB boxes listed at the top of the page, or any other box up to (WxDxH): 135 x 135 x 55 mm.
Images for illustrative purposes only. Boxes supplied.

I 2602-1100

I 2602-6000

The racks for chest freezers have a handle on the top, plus a locking bar to prevent boxes from slipping out when lifting the rack in or out of the freezer.

Chest Freezer Racks for 130 x 130 mm Boxes

Cat. No.	Description	Ext. Dimensions (WxDxH)
I 2602-6000	6-High SS Rack	140 x 140 x 335 mm
I 2602-7000	7-High SS Rack	140 x 140 x 390 mm
I 2602-8000	8-High SS Rack	140 x 140 x 445 mm
I 2602-9000	9-High SS Rack	140 x 140 x 500 mm
I 2602-1000	10-High SS rack	140 x 140 x 555 mm
I 2602-1100	11-High SS rack	140 x 140 x 610 mm
I 2602-1200	12-High SS rack	140 x 140 x 665 mm

Suitable for use with the STARLAB boxes listed at the top of the page, or any other box up to (WxDxH): 135 x 135 x 55 mm

Stainless Steel Freezer Racks

Freezer Racks for StarStore 100 Storage Boxes (140 x 155 mm)

These Stainless Steel (SS) racks for upright and chest freezers are designed specifically for use with our popular StarStore 100 storage boxes (page 89). The racks for upright freezers have a handle on either end. The racks for chest freezers have a handle on the top, plus a locking bar to prevent the boxes slipping out when lifting the rack in or out of the freezer.

Upright Freezer Racks for StarStore 100				
Cat. No.	Description	Boxes Deep	Boxes High	Ext. Dimensions (WxDxH)
I 2610-0800	8-Place SS Rack	2	4	149 x 318 x 235 mm
I 2610-1200	12-Place SS Rack	3	4	149 x 476 x 235 mm
I 2610-1500	15-Place SS Rack	3	5	149 x 476 x 294 mm

Chest Freezer Racks for StarStore 100		
Cat. No.	Description	Ext. Dimensions (WxDxH)
I 2610-1800	8-High SS Rack	149 x 159 x 469 mm
I 2610-1900	9-High SS Rack	149 x 159 x 527 mm
I 2610-2000	10-High SS Rack	149 x 159 x 586 mm
I 2610-2100	11-High SS Rack	149 x 159 x 644 mm
I 2610-2200	12-High SS Rack	149 x 159 x 703 mm
I 2610-2300	13-High SS Rack	149 x 159 x 761 mm

The StarStore 100 storage boxes to fit the racks above are on page 81.

Upright Freezer Racks for 15 ml and 50 ml Centrifuge Tubes

Stainless Steel (SS) racks for upright freezers, for the direct storage of 15 ml or 50 ml centrifuge tubes. Saves the time of transferring the tubes to/from storage boxes.

Upright Freezer Racks for 15 ml & 50 ml Tubes			
Cat. No.	Description	Drawers	Ext. Dimensions (WxDxH)
I 2615-1000	60-Place SS Rack for 15 ml Tubes	1	140 x 419 x 126 mm
I 2615-3600	120-Place SS Rack for 15 ml Tubes	2	140 x 419 x 252 mm
I 2615-2600	160-Place SS Rack for 15 ml Tubes	2	140 x 559 x 252 mm
I 2650-3600	60-Place SS Rack for 50 ml Tubes	2	140 x 419 x 252 mm
I 2650-2600	78-Place SS Rack for 50 ml Tubes	2	140 x 559 x 252 mm
I 2615-5000	Combination SS Rack for 80 x 15 ml and 39 x 50 ml Tubes	2	140 x 559 x 252 mm

Image for illustrative purposes only. Tubes not supplied.

Stainless Steel Freezer Racks

Freezer Racks for Micro-Titreplates

Stainless Steel (SS) racks for upright freezers, ideal for storing a variety of plates. The racks have handles on either end, plus locking bars to prevent the plates slipping out.

Upright Freezer Racks for Micro-Titreplates				
Cat. No.	Description	Plates*	Plates* with lid	Ext. Dimensions (WxDxH)
I 2652-0957	10 Compartment SS Rack	80	70	140 x 467 x 233 mm
I 2652-1157	10 Compartment SS Rack, Extended	120	96	140 x 467 x 280 mm
I 2662-0957	12 Compartment SS Rack	96	84	140 x 559 x 233 mm
I 2662-1157	12 Compartment SS Rack, Extended	144	112	140 x 559 x 280 mm

*Approx. number of standard sized plates
Size of each aperture (WxDxH): 90 x 132 x 113 mm (Extended Racks 136 mm high).

Aluminium Freezer Racks

New!

Flexibility and freedom for your freezer!

These new aluminium racks are recommended for all applications where a flexible storage solution is needed. The adjustable shelves allows the rack to be used for all heights of storage boxes with a maximum footprint of 138 x 138 mm.

Each rack is supplied with the numbers of shelves stated in the table below and one locking rod for securing the boxes in the rack. Additional shelves are available separately so you have the flexibility of purchasing only the shelves that you need, according to the number of boxes / the height of the boxes you want to store in your chest freezer.

Flexible Chest Freezer Racks for Cryo-Storage Boxes			
Cat. No.	Description	Shelves	Ext. Dimensions (WxDxH)
I 2603-0110	Flexible Rack for Chest Freezers	1	145 x 140 x 340 mm
I 2603-0112	Flexible Rack for Chest Freezers	2	145 x 140 x 395 mm
I 2603-0114	Flexible Rack for Chest Freezers	2	145 x 140 x 450 mm
I 2603-0116	Flexible Rack for Chest Freezers	2	145 x 140 x 505 mm
I 2603-0118	Flexible Rack for Chest Freezers	3	145 x 140 x 560 mm
I 2603-0120	Flexible Rack for Chest Freezers	3	145 x 140 x 615 mm
I 2603-0122	Flexible Rack for Chest Freezers	4	145 x 140 x 670 mm
I 2603-0124	Flexible Rack for Chest Freezers	4	145 x 140 x 725 mm
I 2603-0130	Extra Shelf for Flexible Racks		

Slide Storage Boxes & Trays

StarFile Storage System

Stackable slide storage filing system, comprising slide box with a transparent, hinged lid and a removable draining rack tray. Made from impact resistant acetal polymer, the StarFile stores slides vertically for easy insertion and removal. Slides can be tilted forward/back for easy selection, or for reading of bar-codes without having to remove the slides. Each box is supplied with two index cards. Temperature use: -80 °C to 80 °C. Available in two sizes:

StarFile: Slide storage box with removable drain rack tray with 100 numbered slots. Stores slides vertically. Slots can hold two slides if required, or 400 slides can be stored in three rows in the box if the drain rack is removed.

StarFile Jr: Slide storage box with removable drain rack tray with 50 numbered slots. Stores slides vertically. Slots can hold two slides if required, or 200 slides can be stored in three rows in the box if the drain rack is removed.

StarFile Slide Storage Boxes

Cat. No.	Description	Colour	Pack Size
	StarFile		
E1500-0011	StarFile Slide Box with Drain Rack	Blue	1
E1500-0012	StarFile Slide Box with Drain Rack	Green	1
E1500-0014	StarFile Slide Box with Drain Rack	Pink	1
E1500-0016	StarFile Slide Box with Drain Rack	Yellow	1
E1500-0019	StarFile Slide Box with Drain Rack	White	1
	StarFile Jr		
E1500-0021	StarFile Jr Slide Box with Drain Rack	Blue	1
E1500-0022	StarFile Jr Slide Box with Drain Rack	Green	1
E1500-0024	StarFile Jr Slide Box with Drain Rack	Pink	1
E1500-0026	StarFile Jr Slide Box with Drain Rack	Yellow	1
E1500-0029	StarFile Jr Slide Box with Drain Rack	White	1

Dimensions (WxDxH): StarFile: 82 x 245 x 86 mm (Drain Rack: 75 x 231 x 25 mm).
StarFile Jr: 82 x 140 x 86 mm (Drain Rack: 75 x 125 x 25 mm). NOTE: These storage boxes are not autoclavable
Image for illustrative purposes only. Slides not supplied.

StarFolder Slide Storage Tray

	Description	Colour	Cat. No	Pack Size
	StarFolder Slide Storage Tray Holds 20 standard slides in numbered, horizontal slots. Transparent doors cover the slides while still allow visual access and barcode reading. The doors can be swung round the back of the folder completely out of the way if required. Temperature use: -80 °C to 80 °C (not autoclavable) Dimensions (WxDxH): 192 x 292 x 11 mm	Blue	E1500-0031	1
		Green	E1500-0032	1
		Yellow	E1500-0036	1
		Grey	E1500-0038	1
		White	E1500-0039	1
		Mixed*	E1500-0099	10

Image for illustrative purposes only. Slides not supplied. *Mixed pack contains 2 of each colour

Cardboard Slide Storage Tray

	Description	Capacity	Cat. No	Pack Size
	Cardboard Slide Storage Tray Cardboard trays with horizontal, numbered recesses to protect your slide specimens when the tray cover is closed. Thumb cuts for easy slide removal. Index writing panel on the front. Dimensions (WxDxH): 20-Place: 208 x 341 x 9 mm. 30-Place: 281 x 328 x 10 mm	20 Slides	E1500-2009	10
		30 Slides	E1500-3009	10

Slide Staining System

Slide Staining System

The StarStain Slide Staining System comprises of two units, available separately – Slide Staining Jars and Slide Draining Racks.

The Staining Jars

- Connect side by side to ensure they are kept in the same order
- Made from acetal plastic which resists most staining agents, including alcohol and xylene (but not phenol)
- Wide base for benchtop stability
- Internal recess for a smaller, more economical reagent volume (80 ml)
- Temperature use:
  -170 °C to 121 °C (autoclavable)

The Staining Racks

- Rapid draining for up to 12 slides
- Slides are placed vertically
  – no staining of the writing area!
- Handle for easy insertion/removal into the Staining Jar, without fingers touching the solution
- Temperature use:
  -170 °C to 121 °C (autoclavable)

Slide Staining			
Cat. No.	Description	Colour	Pack Size
E1500-0041	StarStain Slide Staining Jar	Blue	1
E1500-0042	StarStain Slide Staining Jar	Green	1
E1500-0044	StarStain Slide Staining Jar	Pink	1
E1500-0046	StarStain Slide Staining Jar	Yellow	1
E1500-0049	StarStain Slide Staining Jar	White	1
E1500-0058	StarStain Staining Rack	Grey	1

Images for illustrative purposes only. Slides not supplied.

Slide Mailers

Holds 5 Slides
Internal slotted channels keep slides separated.

Holds 2 Slides
Internal recess keeps slides secure.

Slide Mailers for Standard (75 x 25 mm) Slides

End-Opening Slide Mailers			
Cat. No.	Description	Colour	Pack Size
E1500-4000	End-Opening Slide Mailer	Natural	25
E1500-4099	End-Opening Slide Mailer	Mixed*	25

Mixed pack contains 5 each of: Blue, Orange, Red, Violet, Yellow. Dimensions (WxDxH): 43 x 88 x 24 mm.

2-Place Slide Mailers			
Cat. No.	Description	Colour	Pack Size
E1400-2099	2-Place Slide Mailer	Mixed*	25

Mixed pack contains 5 each of: Blue, Orange, Red, Violet, Yellow. Dimensions (WxDxH): 68 x 93 x 5 mm.
Image for illustrative purposes only. Slides not supplied.

Equipment

MAGNETIC STIRRERS
Ultra Flat Magnetic Stirrer 98
Magnetic Stirrer with Heater 98

VORTEX MIXER
Vortex Wizard with Infrared 99

ROTATOR MIXER
Rotator Mixer RM-Multi 1 100

DRY BATH INCUBATORS
Single & Dual Block Systems 101

MICROCENTRIFUGE
MiniFuge 102

Ultra Flat Magnetic Stirrer

CE*

Ultra flat, ultra modern!

The Ultra Flat Magnetic Stirrer has no moving mechanical components, so it's maintenance free!

The stirring system, adjustable by means of a microprocessor, is made up of coils that induce a rotating magnetic field. The modern, ergonomic structure is made of materials that guarantee high resistance to the aggression of chemical reagents.

Features

- Microprocessor controlled
- Gentle start-up offers optimum progression of the stirring speed
- Maintenance free
- Made from chemically resistant materials

Specifications	
Stirring Speed:	Up to 1100 rpm
Stirring Volume:	Up to 5 l (H_2O)
Operating Temperature:	-10 °C to 60 °C
Unit Material:	Technopolymer
Power:	5 W
Power Supply:	100 V – 240 V , 50 – 60 Hz
Weight:	0.9 kg
Dimensions:	160 x 230 x 33 mm

Ultra Flat Magnetic Stirrer		
Cat. No.	Description	Pack Size
N2400-2000	Magnetic Stirrer, ESP, Ultra Flat	1

Magnetic Stirrer with Heater

CE*

Stir up some heat!

The Magnetic Stirrer with Heating is equipped with an advanced, electronic speed control.

The stirrer's heating plate is made of aluminium alloy and has a special protective coating that ensures an even heat distribution across the entire surface, as well as providing excellent chemical resistance.

Features

- Electronic speed control
- Even heat distribution
- Made from chemically resistant materials

Specifications	
Stirring Speed:	Up to 1200 rpm
Stirring Volume:	Up to 15 l (H_2O)
Stirring System:	High-power driving magnet type 'PCM' operated by monophase motor for continuous operation
Programmable Temp. Range:	50 °C to 370 °C
Temperature Regulation:	Room temp. to 370 °C
Unit Material:	Epoxy painted aluminium
Power:	630 W
Power Supply:	230 V / 50 Hz
Weight:	2.9 kg
Heating Plate:	155 mm Ø
Dimensions:	165 x 280 x 115 mm

Magnetic Stirrer with Heater		
Cat. No.	Description	Pack Size
N2400-3000	Magnetic Stirrer with Heater	1

*For detailed information see user manual on our website.

Vortex Wizard with Infrared

Simple, but revolutionary!

Vortex Wizard incorporates an optional Infrared (IR) motion detector which automatically starts the vibration when a tube crosses the sensor field.

The variable vibration speed allows low speeds for the gentle mixing of samples or higher speeds for vigorous vortex mixing and resuspending cells or chemical pellets.

Features

- Ergonomic, low-profile design and anti-slide feet for bench stability
- 'Sensor' mode: Infrared detects the presence of the test tube and automatically starts vibration
- 'Continuous' mode: with the possibility to combine with the wide range of accessories to suit the most diverse of needs
- No pressure needed to maintain vibration
- Use in cold rooms or incubators

Specifications	
Speed Range:	0–3000 rpm
Speed Setting:	Analogic
Speed Control:	Electronic
Operating Temp. Range:	5 °C to 40 °C
Operational Modes:	Two: Sensor or Continuous
Type of Movement:	Orbital
Orbital Ø:	4.5 mm
Max. Load:	0.5 kg
Unit Material:	Epoxy painted zinc alloy
Power:	30 W
Power Supply:	90 – 260 V / 50 –60 Hz
Safety:	Electronic Protection Degree CEI EN 60529: IP42
Weight:	2.4 kg
Dimensions:	180 x 220 x 70 mm

The Vortex Mixer can be set to Sensor Mode so the Infra-Red detects the presence of the tube and automatically starts vibrating.

Vortex Wizard		
Cat. No.	Description	Pack Size
N2400-0001	STARLAB Vortex Wizard	1
N2400-1008	Replacement Cup for Single Test Tube	1

The Vortex Wizard is supplied with a cup (N2400-1008) for single test tube (see main image).
Other images for illustrative purposes only. Plate not supplied.

Vortex Accessories

For 19 x 1.5 ml Microcentrifuge Tubes

Cat. No: N2400-1001

For 5 x 15 ml (16 mm Ø) Centrifuge Tubes

Cat. No: N2400-1002

For 4 x 50 ml (29 mm Ø) Centrifuge Tubes

Cat. No: N2400-1003

For Microtitre Plates

Cat. No: N2400-1004

Universal Foam Attachment (50 mm Ø)

Cat. No: N2400-1005

Customisable Soft Foam Attachment

Cat. No: N2400-1006

*For detailed information please see user manual on our website.

Rotator Mixer RM-Multi 1

Mix it up!

Compact and multifunctional, the programmable Rotator Mixer RM-Multi 1 provides thorough mixing of microtubes with consistent results. The rotator is designed for mixing applications including cell suspensions, incubations, extraction procedures, gel washing and precipitations.

RM-Multi 1 has three different motions – vertical rotation, reciprocal rotation and vibration, which can be used separately or combined – as well as variable speed and timer function.

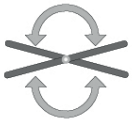
Supplied with a standard platform for 26 tubes up to 15 mm diameter (eg. 1.5 ml, 2.0 ml and 15 ml tubes), STARLAB's RM-Multi 1 is a practical aid for your daily mixing tasks. An optional platform, for five tubes up to 30 mm diameter (eg. 50 ml tubes) and 12 tubes up to 15 mm diameter, is also available.

Features

- Effective vertical mixing
- Programmable
- Three different motions
- Variable speed and timer
- Easy to operate push buttons and LCD display
- Low profile and small footprint
- Capacity of up to 26 micro tubes

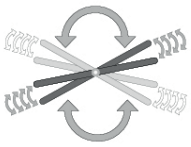
Vertical Rotation

360° vertical motion for a time period 0–250 seconds, or non-stop



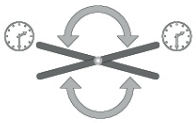
Reciprocal Motion

Direction of platform changes in turns (turning angle 1–90° for 0–250 seconds, or non-stop)



Vibration

Direction of platform changes in turns (see reciprocal motion) plus additional vibration (turning angle 1–5° for 1–5 seconds)



Pause

Direction of platform is changes in turns, including a temporary motion stop of 1–5 seconds (only in conjunction with reciprocal motion)

Specifications	
Speed:	1–100 rpm
Turning Angle:	Reciprocal Mode: 1–90° (increment 1°) Vibration Mode: 1–5° (increment 1°)
Timer:	With auto switch-off: 1 min–24 hours. Vertical or Reciprocal Mode: 1–250 seconds, or non-stop. Vibration mode: 1–5 seconds.
Pause:	Reciprocal Mode: 1–5 seconds
Max. Load:	0.5 kg
Power Supply:	(External) DC 12 V
Input Current:	1.25 A
Weight:	1.8 kg
Dimensions (WxDxH):	365 x 195 x 155 mm

*For detailed information please see user manual on our website.

Rotator Mixer

Cat. No.	Description	Pack Size
N2400-5000	Programmable Rotator Mixer RM Multi-1 (supplied with Standard Platform for 26 Tubes up to 15 mm Diameter)	1
N2400-5103	Platform for 5 x 50 ml Tubes and 12 x 1.5–15 ml Tubes	1
N2400-5104	Standard Platform for 26 Tubes up to 15 mm Diameter	1

Image for illustrative purposes only. Tubes not supplied.

The unit is designed for operation in closed laboratory rooms at ambient temperatures from 5 °C to 40 °C, and a maximum humidity of 80 % for temperatures up to 31 °C, decreasing linearly to 50 % relative humidity at 40 °C.

Single & Dual Block Dry Bath Systems

N2400-4002
(with 2 x N2400-4101)

CE*

Dry bath, wet bath!

Designed for a wide variety of applications, including restriction digests, denaturing DNA, NUB, melting agar, coagulation studies, in-situ hybridisation, and Hot Start thermocycler reactions, as well as having the additional function of a water bath.

Features

- Microprocessor controlled timer and temperature, with digital display
- Easy, user calibration
- Single or dual block units available
- Can also be used as a waterbath
- 2-year warranty

Specifications	
Controller:	Digital microprocessor
Display:	Digital
Operating Temp:	5 °C above ambient to 150 °C
Temp. Increase:	0.1 °C
Temp. Calibration:	Yes
Temp. Uniformity:	±0.2 °C
Temp. Accuracy:	±0.2 °C
Timer:	0 – 999 minutes
Safety Device:	Leak-proof heating chamber
Heating Chamber Material:	Aluminium
Block Material:	Aluminium
Block Dimensions:	80 x 105 x 50 mm (except N2400-4108)
Voltage:	110 V or 220 V
Weight:	2.6 kg (single) / 2.8 kg (dual)
Dimensions:	200 x 270 x 80 mm

Dry Bath Incubators		
Cat. No.	Description	Pack Size
N2400-4001	Dry Bath Heating System, Single Block, Digital**	1
N2400-4002	Dry Bath Heating System, Dual Block, Digital**	1
	Metal Blocks	
N2400-4100	Metal Block for 64 x 0.2 ml PCR Tubes	1
N2400-4101	Metal Block for 20 x 1.5/2.0 ml Microcentrifuge Tubes	1
N2400-4102	Metal Block for 12 x 15 ml Centrifuge Tubes	1
N2400-4103	Metal Block for 4 x 50 ml Centrifuge Tubes	1
N2400-4104	Metal Block for 20 x 1.5/2.0 ml Microcentrifuge Tubes (V-Bottoms)	1
N2400-4105	Metal Block fo 20 x 0.5 ml Tubes	1
N2400-4106	Metal Block for 20 x 13 mm Diam. Tubes	1
N2400-4107	Metal Block for 96-Well PCR Plate (for Single Block system)	1
N2400-4108	Metal Block for 96-Well PCR Plate (for Dual Block system)	1

**Metal Blocks are not included and must be purchased separately.
Images for illustrative purposes only. Tubes, floating rack not supplied.

N2400-4002
as a waterbath

N2400-4001
(with N2400-4103)

*For detailed information please see user manual on our website.

MiniFuge

Get in a spin!

Small enough to fit on your benchtop for your own personal use. The strip rotor accepts either 16 single or two 8-strip 0.2 ml tubes; the standard rotor accepts six 0.5 ml or 1.5/2.0 ml microcentrifuge tubes. The rotors can be changed easily and quickly.

Features

- Supplied with two, interchangable rotors for single and strip tubes
- Ideal for quick spin downs and microfiltration
- Starts and stops in seconds

Specifications	
Speed:	6000 rpm
RCF Standard Rotor:	2,000 x g
RCF Strip Rotor:	1,177 x g
Power:	115 V, 60 Hz, 130 mA, or 240 V, 50/60 Hz, 65 mA
Fuse:	0.5 A, 250 V (F)
Dimensions:	150 x 150 x 117 mm

Microcentrifuge		
Cat. No.	Description	Pack Size
N2631-0007	MiniFuge	1

The microcentrifuge is supplied with: One power cord, two rotors ('Standard' for use with 1.5/2.0 ml tubes, and 'Strip' for use with 0.2 ml tubes), six adaptors (to convert the Standard rotor for use with 0.5 ml tubes), and a wrench for changing the rotors.
Images for illustrative purposes only. Tubes not supplied.

*For detailed information please see user manual on our website.

Protection

DISPOSABLE GLOVES

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Microflex® Gloves: Overview

STARLAB – Hand in hand with MICROFLEX®

At a time when hand protection is more important than ever, MICROFLEX® gloves will give you the peace of mind you need at a price you can afford.

MICROFLEX® manufactures reliable, high quality gloves that are suitable for a whole range of applications. Our comprehensive range offers plenty of choice for a glove to both suit your needs and exceed your expectations.

MICROFLEX®
THE MOST TRUSTED NAME IN GLOVES®

MICROFLEX® Gloves: Tested Twice for Quality

All PPE Category III gloves must go through independent testing, but Microflex® also puts their gloves through additional internal QC scrutiny. Every glove in every size, undergoes 12 tests to receive MICROFLEX's own Certificate of Compliance. These 12 tests are: weight, length, palm width, cuff width, cuff thickness, palm thickness, fingertip thickness, modulus, ultimate elongation, tensile strength, powder content and protein content. The results are reviewed for compliance to product specifications, with specific emphasis on powder and protein levels (using the Modified Lowry Test).

While most gloves carry the results of factory testing only, MICROFLEX® samples their shipments to verify that their products meet their own internal quality standards, which exceed the standards of the Food and Drug Administration (FDA), the American Society for Testing and Materials (ASTM), and the International Organisation for Standardisation (ISO).

Product Data Sheets

Data sheets on each glove detailing the gloves's standards and product specifications can be downloaded from the STARLAB website.

PRODUCT DATA SHEET

SUPRENO® Nitrile Gloves

Nitrile strength and durability with added security

- Powder free
- Latex free
- 0.65 AQL
- PPE Category III (Complex Design) according to Council Directive 89/686/EEC
- Virus and micro-organism resistant
- Textured fingers
- Manufactured to the highest ISO standards

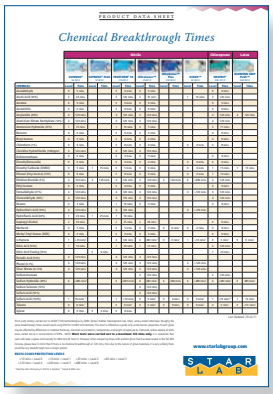
MICROFLEX

www.starlabgroup.com

STAR LAB

Chemical Breakthrough

A copy of the independently tested chemical breakthrough times can be downloaded from the STARLAB website


PRODUCT DATA SHEET

Chemical Breakthrough Times

www.starlabgroup.com

STAR LAB

MICROFLEX® gloves supplied by STARLAB comply to the following standards:

- Medical Gloves Standard ISO 11193-1
- EN 420
- Personal Protective Equipment Directive 89/686/EEC, Complex Design, Category III
- EN 374-2: 2003
- EN 374-3: 2003
- European Medical Device Directive 93/42/EEC, CE Class 1
- EN 455 Parts 1, 2 & 3
- ASTM F1671: Penetration by Blood-Borne Pathogens
- And are manufactured under strict ISO 13485 standards for the manufacture of medical devices

Glove Standards

Personal Protective Equipment

In Europe, Personal Protective Equipment (PPE) is either a device, clothing, glove or appliance, worn or held by a person at work, which is designed to protect that person against one or more health and/or safety hazards.

There are three categories of PPE:

- Category I (Simple Design) – for use against minimal or minor risks
- Category II – for use against intermediate or reversible risks
- Category III (Complex Design) – for use against mortal or irreversible risks

PPE meeting the basic requirements of the Directive (89/686/EEC) is considered safe to be sold in Europe, and can be recognised as such by the CE Mark and other relevant information. The type of markings, pictograms and information provided with a particular PPE will vary depending on what the PPE is designed for. Where disposable gloves are concerned, the following is generally used:

Who's Certifying Your Gloves for PPE Compliance?

Without a number under the CE mark to identify the Third Party Registrar (eg. 0197 = TUV Rheinland), the glove manufacturer is self-declaring the glove's EN credentials.

Pictograms / EN Standards			
European Standard	Pictogram	Performance Ranking	Description
EN374-2:2003 Micro-organisms (Penetration)	EN374-2:2003	Level 1: AQL of 4.0 Level 2: AQL of 1.5 Level 3: AQL of 0.65	Tested for protection against liquid penetration and micro-organisms. Freedom from holes tested by air or water leak test for Acceptable Quality Level (AQL). PPE Gloves must be at least Level 2.
EN374-3:2003 Chemical Permeation	abc	Level 1: >10 min Level 2: >30 min Level 3: >60 min Level 4: >120 min Level 5: >240 min Level 6: >480 min	This pictogram is only shown if a breakthrough time of at least 30 mins has been achieved in at least 3 of the 12 chemicals specified for this standard. The code letters of those three chemicals are shown underneath the shield.See our website for more info, or contact STARLAB for a copy of the Product Data Sheet which lists these chemicals.
	EN374-3:2003		This pictogram is used if a glove does not pass the test explained above, but it does fulfil at least Level 2 of the penetration test EN374-2:2003. This highlights the limitations of the chemical barrier properties of thin gauge disposable gloves, emphasising they're only designed for incidental splashes. The question mark reminds users that it refers to 'low chemical resistance' or 'waterproof' gloves. However, gloves showing this symbol will often still have excellent resistance to many chemicals other than those on the list of 12 specified (see Chemical Breakthrough opposite).

Penetration vs Permeation

Penetration: The movement of a chemical and/or micro-organism through the material, pinholes or other imperfections of a glove. **Permeation:** Gloves do not always act as barriers to liquids and can sometimes act as a sponge, soaking up the liquids and holding them against the skin. Therefore, it is necessary to measure the time that the hazardous liquid takes to breakthrough the glove and come in contact with the skin.

STARLAB

Nitrile Gloves

NITRILE GLOVES – All PPE Category III

Material Characteristics	Glove	Interior	Exterior	Colour	Length	AQL*	Pack Size
• Synthetic rubber • Good splash protection • Good barrier protection against biohazards • Good for water miscible substances, weak acids and alkalis (pH 4–10) • Good for aliphatic solvents, oils and grease • Poor for direct contact with ketones • 100 % latex free – suitable for latex allergy sufferers	**FREEFORM® SE**	Powder-free	Textured Fingers	Indigo	245 mm	1.5	10 x 100
	SUPRENO®	Powder-free	Textured Fingers	Blue	245 mm	0.65	10 x 100
	SUPRENO® PLUS	Powder-free	Textured Fingers	Blue	295 mm	0.65	10 x 50
	UltraSense®	Powder-free	Textured Fingers	Dark Blue	245 mm	1.5	10 x 100
	UltraSense® Plus	Powder-free	Textured Fingers	Dark Blue	295 mm	1.5	10 x 100
	TRANQUILITY®	Powder-free	Textured Fingers	Natural	240 mm	1.5	10 x 100
	XCEED®	Powder-free	Textured Fingers	Natural	240 mm	0.65	10 x 250[1]

New!

*AQL: Acceptable Quality Level, see page 105 for more information. [1]Pack size for XL = 10 x 230.

A combination of softness and durability!

Blue, powder-free nitrile gloves

FREEFORM® SE		
Cat. No.	Sizes Available	Pack Size
FFS-INT-#	XS, S, M, L, XL	10 x 100

Nitrile strength & comfort with added security!

EN374:2003 0.65 AQL LEVEL 3

Blue, powder-free nitrile gloves

SUPRENO®		
Cat. No.	Sizes Available	Pack Size
SU-INT-#	XS, S, M, L, XL	10 x 100

Extended nitrile strength & extra security!

EN374:2003 0.65 AQL LEVEL 3

Blue, powder-free nitrile gloves, extended cuff

SUPRENO® PLUS		
Cat. No.	Sizes Available	Pack Size
SP-INT-#	S, M, L, XL	10 x 50

Ultra comfortable, ultra durable, ultra value!

Dark blue, powder-free nitrile gloves

UltraSense®		
Cat. No.	Sizes Available	Pack Size
US-INT-#	XS, S, M, L, XL	10 x 100

Ultra comfortable, ultra durable, extra long!

Dark blue, powder-free nitrile gloves, extended cuff

UltraSense® PLUS		
Cat. No.	Sizes Available	Pack Size
USP-INT-#	XS, S, M, L, XL	10 x 100

So comfortable, you'll forget you're wearing them!

Natural, powder-free nitrile gloves

Tranquility®		
Cat. No.	Sizes Available	Pack Size
TQ-INT-#	XS, S, M, L, XL	10 x 100

TO ORDER SIZE REQUIRED, replace # as last digit of Cat. No with: XS for X-Small, S for Small, M for Medium, L for Large, XL for Large

Nitrile Gloves

A NEW GLOVE TO EXCEED ALL EXPECTATIONS!

Made from a new, industry-revolutionising next-generation nitrile formulation, **XCEED®** gloves deliver enhanced comfort, strength and value for money.

New!

The days of compromising glove comfort for glove strength are over!

Stronger

A NEW, revolutionary nitrile formulation which is up to **60 % STRONGER** than other leading latex and nitrile glove brands!

Softer

NEW manufacturing process makes XCEED® an **UNBELIEVABLY SOFT NITRILE** glove that rivals the fit, feel and dexterity of latex!

Greener

Packed in larger pack sizes of **250* GLOVES / BOX** but in the same size box as 100 gloves! This SAVES on packaging materials, transport costs and storage space!

*XL = 230 Gloves / Box

XCEED® is the FIRST glove to receive an ergonomic award!*

XCEED®			
Cat. No.	Description	Size	Pack Size
XC-INT-XS	XCEED® Blue Nitrile Gloves	X-Small	10 x 250 gloves
XC-INT-S	XCEED® Blue Nitrile Gloves	Small	10 x 250 gloves
XC-INT-M	XCEED® Blue Nitrile Gloves	Medium	10 x 250 gloves
XC-INT-L	XCEED® Blue Nitrile Gloves	Large	10 x 250 gloves
XC-INT-XL	XCEED® Blue Nitrile Gloves	X-Large	10 x 230 gloves

XCEED® complies to the following standards: Medical Gloves Standard ISO 11193-1, EN420, PPE Directive 89/686/EEC Category III (Complex Design), EN374-2: 2003 (Level 3; AQL 0.65), EN374-3: 2003, European MDD 93/42/EEC Class 1, EN455-1, EN455-2 and EN455-3, ASTM F1671 for the protection against blood-borne pathogens.

CE 0197 EN374-2: 2003 LEVEL 3 EN374-3: 2003 EN420 EN374: 2003 0.65 AQL LEVEL 3

* In a comprehensive study completed by US Ergonomics, the leader in ergonomic testing and certifications in the US, XCEED® gloves showed a marked reduction in muscle effort compared to a leading competitive glove, when performing various manipulations. Download a copy of the report from the STARLAB website.

STAR LAB

Latex Gloves

LATEX GLOVES – All PPE Category III

Material Characteristics	Glove Info	
• Natural rubber • Superior elasticity and suppleness for a very comfortable fit • High tensile strength • Good barrier protection against blood-borne pathogens and other biohazards • Good for water miscible substances, weak acids and alkalis (pH 4–10) • Poor for organic solvents, oils and grease • Can cause allergies	Glove	**DIAMOND GRIP PLUS™**
	Interior	Powder-free
	Exterior	Textured Fingers
	Colour	Natural
	Protein	Max. 50 µg/g
	Length	248 mm
	AQL*	1.5
	Pack Size	10 x 100

*AQL: Acceptable Quality Level, see page 105 for more information.

Latex comfort with extra grip!

Natural powder-free latex gloves

DIAMOND GRIP PLUS™		
Cat. No.*	Sizes Available	Pack Size
DGP-INT-#	XS, S, M, L, XL	10 x 100

To order size required, replace # as last digit of Cat. No with: XS for X-Small, S for Small, M for Medium, L for Large, XL for X-Large.

Chloroprene Gloves

CHLOROPRENE GLOVES – PPE Category III

Material Characteristics	Glove Info	
• Technologically advanced synthetic rubber • 90% more puncture resistant than latex • Good for water miscible substances • Good for strong alkalis (pH 11–14), and phenols • Poor for organic solvents • 100 % latex free – suitable for latex allergy sufferers	Glove	**NEOPRO®**
	Interior	Powder-free
	Exterior	Textured Fingers
	Colour	Green
	Length	245 mm
	AQL*	1.5
	Pack Size	10 x 100

*AQL: Acceptable Quality Level, see page 105 for more information.

The strength of synthetic with the comfort of latex!

Green, chloroprene powder-free gloves

NEOPRO®		
Cat. No.*	Sizes Available	Pack Size
NPG-INT-#	XS, S, M, L, XL	10 x 100

To order size required, replace # as last digit of Cat. No with: XS for X-Small, S for Small, M for Medium, L for Large, XL for X-Large.

Glove Box Dispenser

Glove Box Dispenser

Free up your valuable bench space by mounting the glove dispenser to the wall. The epoxy-coated steel wire rack holds three boxes of gloves and is suitable for use with most brands and sizes of box.

Glove Box Dispenser		
Cat. No.	Description	Pack Size
E3099-3100	Wire Glove Dispenser	1

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